

COMMONWEALTH OF PENNSYLVANIA
HOUSE OF REPRESENTATIVES

HEALTH COMMITTEE
SUBCOMMITTEE ON HEALTH CARE
PUBLIC HEARING

STATE CAPITOL
HARRISBURG, PA

IRVIS OFFICE BUILDING
ROOM G-50

THURSDAY, MARCH 12, 2020
10:00 A.M.

PRESENTATION ON
HEALTHCARE MODELS FOR TRANSGENDER ADOLESCENTS

BEFORE:

HONORABLE PAUL SCHEMEL, MAJORITY CHAIRMAN
HONORABLE JIM COX
HONORABLE DAWN W. KEEFER
HONORABLE KATHY L. RAPP, EX OFFICIO
HONORABLE PAMELA A. DELISSIO, DEMOCRATIC CHAIRWOMAN

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Pennsylvania House of Representatives
Commonwealth of Pennsylvania

ALSO PRESENT:

REPRESENTATIVE DAVID H. ZIMMERMAN

COMMITTEE STAFF PRESENT:

WHITNEY METZLER

MAJORITY EXECUTIVE DIRECTOR

MAUREEN BEREZNAK

MAJORITY RESEARCH ANALYST

LORI CLARK

MAJORITY LEGISLATIVE ADMINISTRATIVE ASSISTANT

DYLAN LINDBERG

DEMOCRATIC RESEARCH ANALYST

I N D E X

TESTIFIERS

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SUBMITTED WRITTEN TESTIMONY

* * *

(See submitted written testimony and handouts online.)

P R O C E E D I N G S

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3 REPRESENTATIVE RAPP: I'm Representative Kathy
4 Rapp. I am the Chairman of the Health Committee. And this
5 is the first of a Subcommittee hearing that we will be
6 having as part of our Committee. And Representative Paul
7 Schemel is the Subcommittee Chair on Health Care.

8 And at this time, as Chairman of the Committee, I
9 will be turning the duties of this hearing over to our
10 Subcommittee Chair, Representative Paul Schemel. And
11 Representative Schemel can have folks introduce themselves
12 and introduce our testifiers.

13 But I would like to say thank you for your
14 attendance today in the midst of everything going on
15 health-wise. Just to let members of the public know -- and
16 thank you for attending as well -- the closest restroom if
17 you need to wash your hands or Kleenex, paper towel, is if
18 you go out the door to your left and up the stairs and then
19 to your left again it's marked "Media Center." There are
20 restrooms right there, so they are in very close proximity.

21 Thank you again for attending. Representative
22 Schemel.

23 MAJORITY CHAIRMAN SCHEMEL: Thank you, Chairman
24 Rapp. Is it appropriate to call the role on an
25 informational hearing?

1 REPRESENTATIVE RAPP: Just have the Members
2 introduce themselves.

3 MAJORITY CHAIRMAN SCHEMEL: Okay. And we'll have
4 the Members introduce themselves. I'm Representative Paul
5 Schemel from Franklin County. Pam?

6 DEMOCRATIC CHAIRWOMAN DELISSIO: Pam DeLissio. I
7 represent parts of Philadelphia and Montgomery Counties,
8 the 194th Legislative District.

9 REPRESENTATIVE RAPP: Representative Kathy Rapp,
10 and I represent Warren, Forest, part of Forest and part of
11 Crawford County in the great northwest.

12 REPRESENTATIVE ZIMMERMAN: Representative Dave
13 Zimmerman. I represent the northeast part of Lancaster
14 County.

15 MS. METZLER: I'm Whitney Metzler, the Executive
16 Director of the House Health Committee.

17 REPRESENTATIVE COX: And I am Jim Cox. I
18 represent the 129th District, which is part of Berks and
19 part of Lancaster County.

20 MAJORITY CHAIRMAN SCHEMEL: Thank you all. Thank
21 you, testifiers, for being here today.

22 The genus of this hearing began in 2017 with the
23 reauthorization of CHIP. CHIP is Pennsylvania's Medicaid
24 program, which serves I believe a majority, over 50 percent
25 of children in Pennsylvania. At the time in 2017 Governor

1 Wolf had expanded CHIP coverage to include what we would
2 term gender-affirming services such as counseling, puberty-
3 blocking drugs, and cross-sex hormones. At the time that
4 we went to reauthorize CHIP, there was a Senate bill that
5 would have stripped those from the CHIP reauthorization.
6 At the time, Members of the House, my colleagues really
7 didn't know what gender affirmation protocols were. There
8 was a great deal of confusion. And we thought it might be
9 a good idea at some point to your testimony on that.

10 I'm gracious to have been appointed the Chair of
11 the Subcommittee. We thought this would be a good
12 opportunity to hear testimony on this, especially now when
13 we're at a point where we don't have any legislation that
14 I'm aware of that's pending in regard to any of these
15 services. I think it's good to just sort of have a body of
16 knowledge.

17 As Subcommittee Chair, I decided on an
18 informational hearing, which would be in order. The first
19 thing I did was I met with Secretary Rachel Levine, our
20 Secretary of Health, who expressed a willingness to
21 testify, and recommended Dr. Nadia Dowshen at the
22 Children's Hospital of Philadelphia as an additional
23 testifier. Both represent the gender-affirming model, as
24 advocated by flagship professional associations such as the
25 American Academy of Pediatrics.

1 As our counterpoint, the Committee invited two
2 noted critics of this approach, Dr. Stephen Levine, who is
3 a clinical psychiatrist and faculty member at Case Western
4 Reserve University in Ohio; and Dr. Quentin Van Meter, who
5 is a pediatric endocrinologist and faculty member at Emory
6 University. All four testifiers speak widely on this
7 subject.

8 Unfortunately, Secretary Levine and Dr. Dowshen
9 had to cancel their appearance today. Secretary Levine
10 notified us late last Friday. Dr. Dowshen notified us a
11 day and a half ago for understandable reasons, particularly
12 in regard to the Secretary. There's a lot going on at the
13 Department of Health right now that make the Secretary's
14 time, you know, very much at a premium.

15 Dr. Dowshen is also I believe the Director or Co-
16 Director of Infectious Disease for one of the departments
17 at CHOP in Philadelphia and I think is equally taken up
18 with COVID-19 matters. So, we look forward to hearing
19 their testimony at a later date.

20 As Drs. Stephen Levine and Van Meter were already
21 in route and scheduled and taken time away from their
22 practice, we decided as a Committee that we would go ahead
23 with their testimony today.

24 So, this hearing is about children and the manner
25 in which we love and care for them. Opinions on this may

1 vary, and we may not always agree, but I would never deny
2 we are all motivated, first and foremost, by our love of
3 children. The Commonwealth's concern is heightened as we
4 currently pay for and thereby promote gender-affirming
5 medical interventions. The number of gender clinics
6 offering these services has grown exponentially in a
7 relatively short period of time, and the number of children
8 we're serving gender-affirming care has increased as well.

9 Children are a unique class, as they have no
10 agency. They depend on adults. Although they may express
11 their desires, only adults can make decisions and perform
12 treatments. Children are not allowed to get tattoos or
13 cigarettes because of the long-term impact on their bodies.
14 We should note what happens with gender affirmation
15 treatment and what the long-term impact is. That's simply
16 the responsibility of legislators in our oversight
17 capacity.

18 Today is the beginning point in this Committee's
19 quest to understand this issue better and to evaluate what
20 is safe and appropriate for the children whose well-being
21 is entrusted to our care.

22 I'm delighted today to be joined by our Co-Chair
23 and a dear friend and a very thoughtful legislator, the
24 gentlelady from Philadelphia, Representative Pam DeLissio.
25 And, Representative, if you have any opening remarks, we'd

1 certainly welcome them.

2 DEMOCRATIC CHAIRWOMAN DELISSIO: Thank you, Rep
3 Schemel. I appreciate it and appreciate being with you
4 here this morning.

5 Like yourself, I was very disappointed but very
6 understanding that Dr. Dowshen and Dr. Rachel Levine were
7 unavailable today attending to -- just got yet another
8 email about COVID-19, and it is clearly a situation that's
9 escalating in Pennsylvania. And they are doing what their
10 responsibilities require them to do today.

11 We had asked for a postponement, as you know,
12 because I think the best opportunity to learn is when
13 there's this opportunity for dialogue particularly among
14 divergent viewpoints. So, I'm looking forward to hearing
15 from those physicians at a point to be determined and don't
16 know how we may be able to work in the viewpoints we're
17 going to hear today, but I would urge us to continue with
18 that concept of ensuring to the best of our ability that
19 folks could be in the same room at the same time because I
20 think the experience is much more robust and much more
21 informing to our citizenry.

22 I see that in fact this is going out via the
23 Pennsylvania cable network, and I think it's just very
24 important for our citizens to know that this morning, due
25 to the COVID-19, we're hearing one viewpoint this morning,

1 but we will also be scheduling that other viewpoint at a
2 date to be determined. Thank you.

3 MAJORITY CHAIRMAN SCHEMEL: Very well. Thank
4 you, Chairperson.

5 We have two testifiers with us today. I
6 understand that Dr. Stephen Levine has a plane to catch,
7 so, Dr. Stephen Levine, we will ask you to testify first.
8 Depending on the length of your testimony, ideally, I think
9 since the two of you represent a similar viewpoint, we
10 would have you answer questions at the same time. So, what
11 we might do is ask you to testify and then Dr. Van Meter to
12 testify, and then you can answer questions together. But
13 if you are very long-winded, then we will take your
14 questions first. Very well. Dr. Levine, you may proceed.
15 Thank you.

16 DR. LEVINE: Thank you. I'll try not to be very
17 long-winded.

18 Chairpersons and Members of the Committee, my
19 name is Stephen Levine. I am clinical professor of
20 psychiatry at Case Western Reserve University in Cleveland,
21 Ohio. I received my medical degree from Case Western
22 Reserve University in 1967 and completed a psychiatric
23 residency at the University Hospitals of Cleveland in 1973.
24 I became then assistant professor of psychiatry in that
25 department, and 12 years later, I became full professor of

1 psychiatry.

2 Since July of 1973, my specialties have included
3 psychological problems and conditions relating to human
4 sexuality, sexual relations, therapies for sexual problems,
5 and the relationship between love and intimate
6 relationships and wider mental health. I have received the
7 Masters and Johnson's lifetime achievement award from the
8 Society of Sex Therapy and Research. I'm a Distinguished
9 Fellow of the American Psychiatric Association. I have
10 provided this Committee with my curriculum vitae already.

11 I first encountered a patient suffering from what
12 we now call gender dysphoria in July 1973. In 1974 I
13 founded the Case Western Reserve University Gender Identity
14 Clinic. Twenty years later, that clinic became independent
15 of Case Western Reserve University, but I've continued to
16 be the Co-Director of that clinic. It's just housed
17 elsewhere it currently exists.

18 As Co-Director, I was the primary psychiatric
19 caregiver for dozens of patients suffering from gender
20 dysphoria over the years. I supervised and consulted about
21 the work of other therapists on my team with approximately
22 350 individuals.

23 I was an early member of the Harry Benjamin
24 International Gender Dysphoria Association, which today is
25 known as WPATH. I served as the Chairman of the Standards

1 of Care Committee for WPATH as we developed the fifth
2 version of the standards of care. I have been retained by
3 the Massachusetts Department of Corrections as a consultant
4 on the treatment of transgender prisoners for more than a
5 decade, and I continue in that role as consultant.

6 I have taught about gender dysphoria and its
7 prudent management in many States, at conferences and
8 workshops, and I hope the information I'm about to impart
9 to you will be helpful to your Committee. I have provided
10 additional details and citations to relevant scientific
11 publications to you.

12 Let me start first with biologic sex and the
13 formation of gender identity, which are very important to
14 have a distinction between these two concepts. The sex of
15 an individual at its core structures the individual's
16 biologic reproductive capacities. Females produce ova and
17 have the capacity to bear children as a mother. Males
18 produce semen and beget children as a father. All of us
19 have learned that a long time ago.

20 Sex determination occurs at the instant of
21 conception depending on whether a sperm's X or Y chromosome
22 fertilizes the egg. In fact, from the moment of
23 conception, every nucleated cell in the embryo's body is
24 chromosomally identified male or female, that is XY
25 chromosome or XX chromosome. Thus, when it is said that a

1 doctor assigns the sex of a child at birth, the physician
2 is only announcing what has been biologically true for the
3 previous nine months.

4 A child's self-perception of gender, on the other
5 hand, develops gradually over time. Children acquire a
6 gender self-identification long before they understand
7 anything about sex and anything about gender. This
8 perception arises in part from how others label and speak
9 of the infant. "I love you, son; I love you daughter."
10 Children hear these designations spoken to themselves and
11 to others thousands of times in the first two years of
12 their lives.

13 More than 99 percent of children comfortably
14 accept the gender designation corresponding to the child's
15 genetic sex. So, the rare discomfort or conviction that
16 one is or should be a member of the opposite sex cries out
17 for some understanding.

18 Science does not as of yet have a secure answer
19 to four questions. Does this disconnect, this discordance
20 have a biologic cause? Does this disconnect, is it a
21 product of how the child was regarded and/or treated in
22 early childhood? And third, does it stem from some trauma-
23 based rejection of maleness or femaleness that occurred
24 later in childhood? And finally, does it stem from an
25 individual adolescent's discomfort with his or her changing

1 body at puberty and that young person's misunderstanding of
2 the widespread hidden discomforts of their peers? In other
3 words, can this come about because an individual child
4 finds great discomfort with their body at puberty and feels
5 hopeless about the bearing of that discomfort and seeks a
6 solution and an explanation for the discomfort.

7 Well, these four questions are really not
8 scientifically known. The answers are not known with
9 certainty. We are all very familiar with the sex-specific
10 differences between male and female bodies. Some of these,
11 including different reproductive organs, develop before
12 birth. Many other differences develop during puberty.
13 Using hormones and surgery, doctors are increasingly able
14 to reconfigure some male bodies to visually pass as female
15 and vice versa.

16 However, medical science cannot change the
17 fundamental biology of that person as it remains defined by
18 their XY or XX chromosomes. This includes not just
19 reproductive potential but many other aspects of the body,
20 including cellular, anatomic, and physiologic
21 characteristics and sex-specific disease vulnerabilities.

22 Contrary to hopes that medicine and society can
23 fulfill the aspiration of the trans individual to become a
24 complete man or a complete woman, this is not biologically
25 attainable. Indeed, the aspiration to become a complete

1 man or woman is not even attainable in the trans person's
2 private subjective self.

3 So, let's talk about gender dysphoria, the
4 diagnosis and incidence of this problem. Specialists have
5 used various terms over time to identify and speak about
6 the distressing incongruence between an individual's sex as
7 determined by their genes and gender with which they
8 subjectively identify and desire to become. Today's
9 American Psychiatric Association's Diagnostic and
10 Statistical Manual, often referred to as the DSM-V, uses
11 the term gender dysphoria. The criteria used in the DSM-V
12 to identify the diagnosis of gender dysphoria includes a
13 number of signs of discomfort with one's natal sex.

14 In addition to other factors, a diagnosis
15 requires clinically significant distress or impairment in
16 other areas of functioning such as social life, vocation,
17 school, and interpersonal relationships. So, there might
18 be human beings who cross-gender identify who are not
19 distressed about it, and they do not have a diagnosis of
20 gender dysphoria. They're just referred to as trans
21 individuals.

22 I believe this Committee should be aware that,
23 today, certain groups of children are being diagnosed with
24 or claiming transgender identities in very disproportionate
25 numbers. These include children of color, children

1 residing in foster homes, children who are adopted at the
2 rate of about three times greater incidence of
3 transgenderism, children with a prior history of
4 psychiatric illness, children with mental developmental
5 disturbances, children on the autistic spectrum, which are
6 identified as transgender at a rate demonstrated on two
7 continents at sevenfold the incidence of non-autistic
8 children want to be transgender people or claim to be
9 transgender people.

10 And while 20 years ago the large majority of
11 individuals identifying as transgender were biologic males,
12 a recent large study has found that adolescent girls are
13 identifying as transgender today at the rate of more than
14 two times that of boys. So, in the last several decades
15 there has been a dramatic incidence in girls at puberty
16 declaring themselves to be transboys, transmen.

17 In my judgment, as we think about puberty-
18 blocking agents, cross-sex hormone, and breast, genital,
19 and cosmetic surgical alterations for young people who are
20 very uncomfortable with being identified as members of
21 their biologic sex, it is important that we as doctors and
22 as society keep in mind who is it that these things are
23 being done to, what developmental circumstances have given
24 rise to gender dysphoria in their lives, and what is the
25 basis for certainty? I want to emphasize that. What is

1 the basis for certainty that changing the body of a child
2 before or during puberty is the correct thing to do in the
3 long run, and what contemporary forces are driving the
4 dramatic increase in individuals wanting to change their
5 gender presentation in the last 20 years?

6 Now, there are several models of gender dysphoria
7 that I think all of us need to clearly understand because
8 the discussions about appropriate responses to this
9 diagnosis are complicated by the fact that various
10 advocates view transgenderism through at least three
11 different lenses, three distinct perspectives on this
12 matter. First perspective, some speak of gender dysphoria
13 as though it were a curable physical mental illness that
14 causes endless suffering. Those who think of gender
15 dysphoria this way assert that whatever aspects of the body
16 are causing distress should simply be removed to reduce
17 that distress. So, this could include performing surgery
18 or administering hormones, cross-sex hormones to change
19 facial hair, nose, and jaw shape, and the presence or
20 absence of breasts or removing sex organs like the testes,
21 the penis, the ovaries, the uterus, and the vagina.

22 It should be noted, however, that gender
23 dysphoria is not a medical disease; it's a psychiatric
24 illness. There is no physical or biological or specific
25 abnormality of the sex organs or the brain at this point in

1 our knowledge among these individuals. And since doctors
2 gave up performing lobotomies to treat psychiatric
3 disorders many decades ago, gender dysphoria is the only
4 psychiatric diagnosis which doctors are attempting to treat
5 by surgery.

6 The second way of looking at gender dysphoria is
7 in developmental terms. We could call that a developmental
8 model. This developmental paradigm starts from the premise
9 that all human lives are influenced by the past. I like to
10 say that all human beings' past influences their present,
11 no exceptions. We all bring our past to our present.
12 Trans lives are not exceptions to this axiom. Mental
13 health professionals who think gender dysphoria through
14 this paradigm will work to identify and address the causes
15 of the basic problem of a deeply uncomfortable self,
16 whether it arose early in childhood or it arose at puberty.
17 At the same time, they will also work to ameliorate
18 suffering when the underlying problem cannot be resolved.

19 If one has a developmental paradigm, it doesn't
20 mean that we would not support certain individuals in their
21 aspiration, but it does mean that we would look at what
22 causes the repudiation of one's gender. What is in this
23 person's past that might be influencing this very life-
24 changing identification.

25 In a young child, we would view attraction to a

1 transgender identity likely as an adaptation to a
2 psychological problem that was first manifested as a
3 failure to establish a comfortable conventional sense of
4 self in early childhood. This makes clinicians interested
5 in the parental bonds to the child and in the interpersonal
6 familial environment in the early years of a child's life.
7 A developmental perspective does not exclude temperament.
8 For example, some boys do not prefer rough-and-tumble play.
9 Some girls are action-oriented from a very early age. In
10 an adolescent, clinicians would look for fear or a sense of
11 failure associated with the roles that the individual
12 associates with his or her biologic sex.

13 In other words, we're very thoughtful about the
14 things that a child may misunderstand, may not have lived
15 long enough to grasp yet. Many young children, trans-
16 identified boys, think that males can only exist in this
17 range of behavior, whereas when they're older, they will
18 understand you can be a man in any one of these ways, and
19 similarly for girls. This is a child's thinking, not a
20 grown-up's thinking.

21 Some strident advocates oppose the developmental
22 view asserting that trans identity is biologically caused,
23 and it's unchangeable, but this is not supported by
24 science. On the dramatic controversy, recent sudden
25 changes in the numbers and make up of those experiencing

1 gender dysphoria strongly suggest a cultural or a
2 sociologic rather than a biologic cause because the genetic
3 makeup of our species does not change over a 20-year
4 period. The number of patients experiencing gender
5 dysphoria has spiked rapidly in both Europe and North
6 America in recent years, shifting the previous three-to-one
7 ratio of boys who want to be girls to girls who want to be
8 boys towards now one-to-one. So, 30 years ago it was
9 three-to-one, and today in most clinics it's close to one-
10 to-one. A recent study has documented a clustering of new
11 presentations in specific schools among specific friends
12 groups. All these observations point to a social influence
13 on the construction of gender identity or transgender
14 identity.

15 Now, the third paradigm through which to view
16 these phenomenon is the language of sexual minority rights.
17 That is, this is not a developmental issue. This is not a
18 biologic issue. This is a civil rights issue. Under this
19 paradigm if a patient claims to be the opposite gender, any
20 response other than agreement and affirmation by society
21 and the medical profession is a violation of the
22 individual's civil rights to self-expression. They even at
23 times suggested a cautionary approach that lacks immediate
24 and sustained support and affirmation is unethical, a
25 violation of the individual's civil rights and a sign of

1 clinical incompetence of doctors who may ask for caution
2 and time to consider things from a developmental
3 perspective: unethical, incompetent.

4 The civil-rights paradigm is not interested in
5 the question of the causes of this pattern, just the rights
6 to self-expression and the freedom from discrimination.
7 This is a very loud voice today in our public discourse on
8 this subject.

9 Now, about the treatment of gender dysphoria,
10 given these underlying different views about how to
11 conceptualize gender dysphoria, it is not surprising that
12 trained professionals disagree widely about appropriate
13 therapies for patients experiencing gender-related
14 distress. I will summarize the leading approaches to
15 children and offer a few observations about these
16 approaches.

17 The first approach we would call watchful
18 waiting. We have a six-year-old, an eight-year-old who is
19 cross-gender-identified and gender nonconforming. This
20 model is particularly relevant to those before puberty.
21 The scientific basis of this approach is the fact
22 documented by 11 of 11 prospective follow-up studies
23 performed by different research groups at different times
24 in different countries. Eleven of eleven studies have
25 demonstrated that the large majority of young children who

1 present with gender dysphoria, if left untreated,
2 uninformed will evolve to a gender identity consistent
3 with their biological sex by the end of adolescence. Every
4 study has demonstrated that desistance rates from childhood
5 onset of cross-gender identifications will desist.

6 A watchful waiting approach cooperates with this
7 fluid, changeable nature of gender identity in children,
8 the fluid changeable nature of gender identity, and seeks
9 to allow time, safety, and support for the process to
10 happen. In the meantime, the professional will often seek
11 to treat any associated mental illness in the child or
12 symptoms in the child but without focusing on gender at
13 all, separation anxiety, compulsivity, compulsions, and so
14 forth. So, that's watchful waiting.

15 And the second model we might call standard
16 psychotherapeutic approaches to distressed children. The
17 second model is a psychotherapy model. The basic principle
18 of psychotherapy is to work with the patient to identify
19 the causes of his or her psychological distress, and then
20 the professional will work with the patient and the family
21 to address those causes in order to reduce or eliminate the
22 distress.

23 I and many practitioners who actually have
24 clinical experience with young patients with gender
25 dysphoria believe that this makes sense to employ these

1 long-standing tools of therapy to these particular
2 patients. We ask questions as to what factors in the
3 patient's life are prompting the patient to repudiate his
4 or her natal sex. I and others have reported success in
5 alleviating the stress in this way for some patients.

6 To explain what this can look like in practice,
7 the psychotherapist who is applying traditional methods of
8 psychotherapy may help the male patient, for example, to
9 appreciate the wide range of legitimate or normal masculine
10 emotional and behavioral patterns that actually exist in
11 culture. I refer you to my hands this way and hands this
12 way previous remark. The therapist may discuss with the
13 patient that one does not have to be or become a woman in
14 order to be kind, sensitive, caring, noncompetitive,
15 musical, or devoted to the feelings and needs of other
16 people. Boys and men can wear pink happily, easily, and
17 still think of themselves as a man.

18 A large proportion of gender nonconforming
19 children and adolescents in recent years derive from
20 minority and vulnerable groups who have reasons to feel
21 isolated or to have an uncomfortable sense of self. Here
22 the clinician who uses traditional methods of psychotherapy
23 may not focus on their gender identity at all but instead
24 work to help them address the underlying sources of their
25 social isolation and their discomfort. Success in this

1 effort may remove or reduce the desire to redefine their
2 gender identities.

3 To my knowledge there have been no carefully
4 designed studies measuring whether or when psychotherapy
5 can enable patients to regain or recover a more comfortable
6 identification with their biologic sex. On the other hand,
7 anecdotal evidence of such positive outcomes does exist. I
8 myself and other clinicians have witnessed reinvestment in
9 patient's biologic sex as some individual patients who are
10 undergoing psychotherapy. I have published a paper
11 recently on one patient who sought my therapeutic
12 assistance to reclaim his male gender identity 30 years
13 after living as a woman and who is in fact today living as
14 a man. I have seen children desist even before puberty in
15 response to thoughtful parental interactions and just a few
16 meetings with a therapist.

17 The third way of approaching this is called
18 affirmation therapy. This approach in patients of any age
19 is the affirmation therapy model that says from the
20 beginning one has to support and affirm and be optimistic
21 about transgender identifications. Most clinicians know
22 that it is counterproductive to directly challenge a
23 claimed trans identity in a child or adolescent. However,
24 practitioners employing the affirmation model assert that
25 any expression of trans identity should be immediately

1 affirmed by all those around the child by means of
2 consistent use of clothing, toys, pronouns, school
3 accommodations associated with their aspired-to and
4 preferred identity. They assume that observed
5 psychological difficulties in children are unrelated to
6 gender identity formation, are unrelated to gender identity
7 formation and evolution and will get better with transition
8 and need not be addressed by the mental health professional
9 prior to deciding to affirm the child's apparent gender
10 identity.

11 In my opinion in the case of children prompt and
12 thorough affirmation of a claimed transgender identity
13 disregards the principles of child development and family
14 dynamics and is not supported by science. Rather, the
15 mental health professional should focus attention on the
16 child's underlying internal -- that is intrapsychic -- and
17 familial issues. Unfortunately, many trans care facilities
18 are staffed by mental health professionals who have very
19 limited experience with recognizing and treating
20 psychiatric problems that often accompany gender dysphoria.

21 As a result of the downgrading of the role of
22 psychiatric assessment and treatment of patients, new
23 gender-affirming clinics have arisen in many urban settings
24 and recommend transition with remarkable, indeed
25 distressingly remarkable speed, sometimes after a single

1 one-hour session. In my opinion, this cannot be reconciled
2 with responsible mental health care.

3 After years of working in this arena with
4 children and their families, I can also testify that many
5 parents are horrified by the lack of interest in and the
6 lack of knowledge of their individual children's lives and
7 their own worried mature sensibilities. To these parents,
8 the declaration of a trans identity in their child or
9 adolescence is a call for a thorough psychological
10 evaluation over time, not hormones. To the parents
11 watching the child develop over 12, 13, 14 years, the fact
12 that the child declares a trans identity means, Doctor,
13 would you please investigate this and find out what's going
14 on in my child? That's the approach that many parents who
15 come to me want, not a prescription for hormones and
16 affirmation.

17 So, desistance in the effective affirmation,
18 let's talk about those topics. A distinctive and critical
19 characteristic of juvenile gender dysphoria is that
20 multiple studies from separate research groups at different
21 times on different continents have reported that in the
22 large majority of patients, unless the child is subjected
23 to substantial interventions such as social transition and
24 hormonal therapy, the dysphoria does not persist throughout
25 adolescence. It is not yet known how to distinguish those

1 children who will desist from those who will persist. This
2 is a very crucial idea. Those of us taking care of
3 children who are gender-dysphoric do not know which ones
4 are going to give it up and which ones are not.

5 Desistance within a relatively short period may
6 also be a common outcome for post-pubertal youths who
7 exhibit recently described rapid onset gender identity
8 disorder. I observed an increasingly vocal online
9 community of young women who have reclaimed the female
10 identity after claiming a male gender identity at some
11 point during their teen years. It's all over the internet,
12 people giving their life stories. Unfortunately,
13 meaningful data on outcomes for this age group with and
14 without therapeutic interventions is not yet available to
15 my knowledge at least.

16 In contrast, there are now data that suggests
17 that a therapy that encourages social transition
18 dramatically changes outcomes for young children who
19 experience gender dysphoria. A prominent group of
20 generally pro-trans authors have written that the gender
21 identity affirmed during puberty appears to predict gender
22 identity that will persist in adult life. Similarly, a
23 comparison of recent and older studies suggest that when
24 affirming methodology is used with children, a substantial
25 proportion of those children who would otherwise have

1 desisted if left alone persist in their gender identity.
2 In other words, gender-affirming of children leads to a
3 very high incidence of trans identity at puberty and the
4 failure to desist, whereas if you leave the children alone,
5 many of them will desist. If you treat them young and
6 intervene and support, they are going to have a transgender
7 identity in adolescence. So, we have to ask ourselves the
8 question what does that mean for the long run of the child?

9 Specifically, studies conducted before the
10 widespread use of gender affirmation have demonstrated
11 between 80 and 90 percent of the children desist. Those
12 are the boys studies. In contrast, a more recent study
13 reported that fewer than 20 percent of children desist if
14 they're affirmed during grade school years. So, this is a
15 very important finding. It suggests that today the
16 increasingly widespread use of social transition for
17 children is locking a large number of children into a trans
18 identity in life who would otherwise become comfortable
19 with their gender of their biologic sex before reaching
20 adulthood.

21 In the light of this data, I must agree with the
22 noted researcher from Toronto, Dr. Ken Zucker. He's
23 written that social transition of children must be
24 considered a form of treatment. As I said before, it's the
25 third model of treatment. We should all seriously consider

1 that the drive to block puberty derives from the experience
2 of trans-identified adults who recall personal discomfort
3 about their subjective gender discomfort in childhood and
4 adolescence. It does not consider all those children and
5 teenagers who outgrew their discomfort. In other words,
6 the idea of giving puberty blockers is based upon adults
7 who are not doing well recalling that they were
8 uncomfortable with their body and so that suffering, say,
9 among 40-year-olds have led some researchers to think we
10 could prevent this suffering if we only block their
11 puberty. But that does not consider those people who
12 outgrew it and are not talking at age 40 about their
13 discomfort.

14 While I cannot give you numerical data on the
15 outcome of all children who had significant subjective
16 discomfort, there's a distinct possibility that the numbers
17 are very small. I offer this idea because the outcome
18 studies that I've summarized are based on gender-dysphoric
19 children. The vast majority of trans adults may have had
20 some subjective discomfort as children but were not
21 recognized as having gender dysphoria of childhood. Gender
22 dysphoria of childhood is a relatively recent phenomenon,
23 so 40-year-olds and 50-year-olds who formed the basis of
24 why we must treat these children to prevent the misery of
25 50-year-olds, you see, they weren't even trans-identified

1 children because that was a rarity 50 years ago. Not
2 surprisingly, given these facts, encouraging social
3 transition of children should be and remains a
4 controversial matter.

5 In sum, therapy for young children that
6 encourages transition cannot be considered to be neutral
7 but instead an experimental procedure that has a high
8 likelihood of changing the life path of the child with
9 potential effects on mental and physical health,
10 suicidality, and life expectancy. Unlike respectable
11 scientific studies initiated after careful planning, the
12 affirmation model is being advocated without knowledge of
13 long-term outcomes. Affirmation therapy began on faith, a
14 belief that it would prevent the well-known problematic
15 lives of young and middle-aged trans adults. Such faith is
16 accompanied by much passion but does not allow much room
17 for scientific skepticism.

18 Claims that a civil right is at stake do not
19 change the fact that what is proposed is a social and
20 medical experiment whose outcomes are not known and will be
21 difficult and perhaps impossible to establish without
22 scientific confidence. In my view, then, medical ethics
23 require that social transition should be undertaken only
24 subject to careful standards, careful protocols, and
25 reviews appropriate to such experimentation. I do not

1 think that is what is currently happening in our culture
2 where in many urban centers children are being processed
3 very quickly towards transition.

4 So, health implications of transgender identity
5 and transgender lives was the next thing I want to discuss.
6 Certain advocates and advocacy organizations make
7 statements that would give the impression that science has
8 already established that prompt affirmation is the best for
9 all patients, including children who present the indicators
10 of trans identity. This belief is not based on good
11 science. It ignores both what is known and what is unknown
12 about health outcomes for transgender people.

13 Prominent voices in the field have emphasized the
14 severe lack of much-needed scientific knowledge. The
15 American Psychological Association has stated, and I'm
16 quoting, "Because no approach to working with transgender
17 and gender-nonconforming children has been adequately
18 empirically validated, consensus does not exist regarding
19 the best practice with prepubertal children," end quotes.
20 So, we must start by recognizing that large gaps exist in
21 the medical community's knowledge regarding the long-term
22 effects of sex reassignment surgery and other gender
23 identity disorder treatments. What is known, however, is
24 not encouraging.

25 First, let me comment on the risk of suicide, the

1 most dramatic of the unknown outcomes. Advocates of
2 immediate and unquestioning affirmation of social
3 transition sometimes assert that any other course will
4 result in a high risk of suicide in affected children and
5 youngsters, teenagers. Leaving aside young children who
6 very rarely commit suicide for any reason, it is certainly
7 true that individuals with gender dysphoria are well-known
8 to commit suicide at elevated rates, but this is true both
9 before and after social transition and before and after
10 gender-conforming surgery, which it used to be called sex
11 reassignment surgery. No studies show that affirmation of
12 children or adolescents reduces completed suicide rates,
13 prevents suicidal ideation, or improves long-term outcomes
14 as compared to either watchful waiting or a
15 psychotherapeutic model of approach to these children.

16 Claims that affirmation will reduce the risk of
17 suicide for children and adolescents is not based on firmly
18 established science. There are vital differences between
19 suicidal ideation, that is, thoughts about self-
20 destruction, suicide attempts that are exploratory
21 gestures, suicide attempts that are determined efforts to
22 die, and completed suicide. Those four dimensions of
23 suicide are often linked together, and they're quite
24 different phenomenon.

25 While 4 percent of the general population may

1 have suicidal ideation in the last year, 44 percent of
2 trans individuals have similar thoughts. I draw these
3 distinctions because while the rate of completed suicide is
4 unknown among trans youth, fearmongering articles in the
5 general press would have the general population believe
6 that untreated trans identities lead to completed suicide.
7 What we know is that even hormonally and surgically treated
8 trans identities exhibit high levels of suicide ideation.
9 These data suggest that trans lives carry a high risk of
10 continued unhappiness. Thus, transition of any sort must
11 be justified if at all as a life-enhancing measure, not a
12 lifesaving measure.

13 But what is life-enhancing is a long-term
14 question. When we begin to think in long term, it is
15 important to understand in terms of mental and physical
16 health or social and romantic happiness that there are no
17 studies that show the affirmation of a trans identity in
18 prepubescent children leads to more positive outcomes, say,
19 by age 25 or 30 than does watchful waiting or ordinary
20 psychotherapeutic approaches.

21 On the other hand, what is known is that there
22 are numerous known, likely, and possible long-term downside
23 risks associated with living life as a transgender
24 individual. A casual assumption that transition will
25 improve a child's life is not justified based on numerous

1 scientific snapshots of cohorts of trans adults and
2 teenagers. Stories from a few happy transgender
3 individuals cannot change this extensively documented
4 picture of the trans population of adults is a marginalized
5 and vulnerable to mental illness and substance abuse
6 groups.

7 Let me detail several classes of predictable,
8 likely, or possible harms to patients associated with
9 transitioning to live as a transgender individual. The
10 first one I want to mention is sterilization. Obviously,
11 sex reassignment surgeries that remove penis, testes,
12 ovaries, vagina, and uterus are inevitably sterilizing, but
13 medical professions also believe that we should assume that
14 cross-sex hormones, which are increasingly administered to
15 older minors, may also be permanently sterilizing. As a
16 result, we must consider the loss of reproductive capacity,
17 sterilization, to be one of the major risks of starting
18 down the road to a transsexual life. Does any 11-year-old,
19 even one who has parental consent, have the capacity to
20 consider the implications of personal sterility that may
21 show up in his or her life 20 years later?

22 Given the disproportionate representation of
23 minority and other vulnerable groups among children
24 representing to gender-identity clinics today, who is to
25 speak for their future in terms of their reproductive

1 capacities?

2 Second, the loss of sexual response. Puberty-
3 blocking prevent maturation of the sex organs and sexual
4 physiological responses. Some and perhaps many transgender
5 individuals who transitioned as children and thus do not go
6 through puberty consistent with their sex face
7 significantly diminished sexual response as they now enter
8 into young adult life and are unable to ever experience
9 orgasm. Children of course cannot imagine what this will
10 mean for their future lives and psyches. Go try to explain
11 to a 10- and 11-year-old that if I give you estrogens, your
12 ability to have orgasm when you're 25 or 18 is going to be
13 impaired. What's orgasm?

14 The health risk of puberty blockers, it is
15 commonly said that the effects of puberty blockers are
16 reversible. Actually, it's often said they are putatively
17 reversible. That word I look up and it means "maybe,"
18 putatively reversible. No one's quite sure whether they're
19 completely reversible, and anyone claiming they're
20 completely reversible doesn't seem to have the data. In
21 fact, controlled studies have not been done about how
22 completely this is true and when they are used to prevent
23 puberty from occurring at its natural time. Because
24 hormones associated with puberty are well known to affect
25 the development of the brain as well as the body, this

1 should cause careful professionals to pause.

2 The outcome on subsequent bone health because of
3 demineralization effects of puberty blockers is also a
4 significant worry for the long term. Growth spurts during
5 adolescence are influenced by hormone secretions that block
6 puberty events. In terms of mental health, however, in my
7 opinion individuals in whom puberty is delayed multiple
8 years are likely to suffer negative psychosocial and self-
9 confident effects as they stand on the sidelines while
10 their peers undergo pubertal changes and get involved in
11 social interactions that cause them anxiety but help them
12 to learn how to manage their sexual feelings and to conduct
13 interpersonal relationships. Thus, if you block a kid's
14 puberty for three, four years, he remains looking like a
15 child and feeling like a child while his peers are into a
16 whole different phase.

17 So, there are health risks of cross-gender
18 hormones as well. Certainly, it is well-known the many
19 effects of cross-sex hormones cannot be reversed should the
20 patient later regret having transitioned. Irreversible
21 changes include voice changes, facial hair in the female-
22 to-male patients. And patients who persist will in most
23 cases have to take cross-sex hormones for the rest of their
24 lives.

25 The long-term health risks of this major

1 alteration of hormone levels has not yet been systemically
2 studied. However, a recent study found greatly elevated
3 level of strokes and other acute cardiovascular events
4 among male-to-female transgender people taking estrogen.
5 Even short-term studies have demonstrated increased obesity
6 and increased blood pressure in people taking cross-gender
7 hormones, which may not have caused stroke at age 22 but
8 may in fact increase their risk of later cardiovascular
9 events.

10 So, there are health risks also in terms of
11 complex surgeries that they're going to have. Sex
12 reassignment surgery affecting the reproductive and urinary
13 tract is extremely complex, and every such surgery can go
14 wrong. Complications in surgery affecting the urinary
15 tract can have significant lifelong negative impact on a
16 patient's quality of life.

17 There are risks to family's social and romantic
18 relationships, which tend to get overlooked. Gender
19 transition routinely leads to isolation in adulthood from
20 siblings and their children. By adulthood, the friendships
21 of transgender individuals tend to be confined to other
22 transgender individuals who are very supportive but is a
23 limited set of others who are comfortable interacting with
24 transgender individuals. And after adolescence,
25 transgender individuals find the pool of individuals

1 willing to develop romantic and intimate relationships with
2 them greatly reduce. So, a cisgender, that is a person
3 without transgender identity, has a huge pool of potential
4 mates. The trans individual has a much limited pool of
5 potential mates.

6 Suicide, mortality, and mental health generally
7 are so intertwined among humans that it's often impossible
8 to separate those three concepts, suicide thinking,
9 premature mortality, and mental health. Stepping back from
10 some big-picture indicators over well-being, this Committee
11 should be aware of the wide sweep of strongly negative
12 physical and mental health outcomes among transgender
13 individuals, as we've known from looking at this for 45, 50
14 years.

15 In the United States, the death rates of trans
16 veterans are 20 years earlier than the general population.
17 A Swedish follow-up study tracked almost all individuals in
18 that country who underwent sex reassignment surgery over a
19 30-year period and found the suicide rate -- I am not
20 exaggerating, ladies and gentlemen -- the suicide rate in
21 Sweden among people who are operated on for this problem
22 was 19 times the general population. Both studies found
23 elevated mortality rates from medical and psychiatric
24 conditions. The Swedish researchers concluded that
25 transgender individuals require, should have lifelong

1 psychiatric care.

2 A cohort study based in Boston found a greatly
3 elevated risk of depression, anxiety, and hospitalization
4 for psychiatric illness and suicidal ideation among
5 transgender youth compared to a control group. That's just
6 repeating what has been observed before.

7 Now, let's talk about regret because you will
8 hear a lot about the absence of regret. Studies of
9 postsurgical regret done in the latter part of the previous
10 century generated that only 2 percent of people who had sex
11 reassignment surgery had any regret. Regret, however, is a
12 far more nuanced matter than the answer to one or two
13 questions on a large questionnaire. More importantly,
14 regret is possible after transition, after hormones, and
15 after surgery not simply because of adverse medical
16 outcomes but because of the social, psychological,
17 educational, vocational, and family consequences of
18 transitioning. I need to repeat that to you. The
19 consequences of transitioning present as social,
20 psychological, educational, vocational, and familial
21 problems.

22 These dimensions of regret are not infrequent.
23 Those who have desisted must represent as having had
24 regret. At least some of the high rates of suicidal
25 thoughts -- 44 percent in cross-sectional studies -- that

1 must represent some form of regret. The phenomenon of
2 desistance or regret experienced later than adolescence or
3 young adulthood has to my knowledge not been well-
4 established, but what keeps getting repeated is only 2
5 percent of people who have had sex reassignment surgery
6 have regret.

7 However, regret is real. I have worked with
8 multiple individuals who have abandoned trans female
9 identity after inhabiting that identity for years who
10 expressed regret. There are people who have regret and yet
11 don't have regret. That is, regret is not either/or.
12 Regret is I regret this, I regret this, but I don't regret
13 that, you see. So, when we summarize regret as only 2
14 percent, it's a vast oversimplification of the complex
15 phenomenon.

16 A surgical group prominently active in sex
17 reassignment surgery has published a report on a series of
18 seven male-to-female patients requesting surgery to
19 transform their surgically constructed female genitalia
20 back to their original male form. They cannot surgically
21 be returned to their previous normal genital anatomy. The
22 trans person of either sex who requests having their body
23 return to the original sex appearance should worry all
24 professionals. In other words, when people don't do well
25 in adult life, we need to think about more carefully what

1 we're doing to the youth as we push them in the direction
2 of a whole group of people who have repeatedly been
3 described as marginalized, discriminated against, and
4 vulnerable to psychiatric illness, physical illness, and
5 suicide. Thank you for your attention.

6 MAJORITY CHAIRMAN SCHEMEL: Thank you, Doctor.
7 In the interest of time, Dr. Levine, what we'll do is at
8 this point take questions from the Committee for you
9 particularly in light of the fact that your testimony was
10 largely psychiatric. We're presuming Dr. Van Meter's will
11 be maybe more physical medicine. So, with that, Chairwoman
12 DeLissio, do you have any opening questions?

13 DEMOCRATIC CHAIRWOMAN DELISSIO: I do, thank you.
14 I appreciate it.

15 As far as I know, no one in this General Assembly
16 has a medical degree, and this is -- I want to just share
17 with you the filter through which I am looking at this.
18 So, I've done some reading in preparation for this. I
19 generally do reading to prepare for any Committee meeting,
20 read legislation, et cetera. What I do think I know is
21 that science evolves. There are often differences of
22 opinion as to how science is and can be applied. But in
23 this particular instance this discussion came about as a
24 result of last session, a piece of legislation indicating
25 whether or not the CHIP program, which is supported by

1 taxpayer dollars, should include treatment for transgender
2 children.

3 So, I'm just curious, sir, that if this were
4 private insurance, this discussion probably would not be
5 happening in the General Assembly. I'm very sensitive to
6 the fact that, legislatively, no elected body, whether it's
7 the Commonwealth of Pennsylvania or the U.S. Congress,
8 should be dictating to a licensed healthcare practitioner
9 as to how they should practice medicine within their scope
10 of authority, within generally accepted, you know, medical
11 standards of care, et cetera.

12 I share that with you as that's the context and
13 the lens through which I am both listening and, you know,
14 have some questions.

15 So, when you had mentioned that it was rare, you
16 know, 40 or 50 or 60 years ago for this to be identified,
17 perhaps it was just not discussed in any meaningful way.
18 And now people are more comfortable about discussing these
19 issues, these feelings, et cetera. They were the same
20 situations that we've experienced in any number of areas.

21 So, do you think that there is another reason
22 that it was rare then and is discussed more frequently now?
23 I almost heard you say, Dr. Levine, that perhaps we're
24 suggesting that the situation is real; therefore, it is.
25 And perhaps I've misunderstood your comments along those

1 lines. I mean, I'm grateful for all the science that can
2 treat us and make us a better and healthier society.

3 DR. LEVINE: I don't think you misheard me. I
4 think what I was emphasizing to the Committee is that in
5 recent years there has appeared in the public sensibilities
6 that there is a real phenomenon called a trans person and a
7 trans life and that one can transform one's maleness into
8 femaleness and femaleness into maleness and live happily
9 ever after. You see, I don't think that was in the
10 public's mind 50 years ago. That was not part of our
11 general consensus or understanding.

12 So, today, when a child is cross-gender-
13 identified, we used to call those children 50 years ago
14 gender-nonconforming children. We recognized 50 years ago
15 that gender-nonconforming children were likely to grow up
16 to be a sexual minority member, generally a homosexual male
17 or a lesbian woman. But today, that same phenomenon is
18 existing, you see, but culture has a different concept
19 about it. These are not necessarily pre-homosexual
20 individuals. These are trans individuals. So, trans
21 individuals, if we look at the snapshot of the adult
22 outcomes, are much less healthy than homosexual
23 individuals, you see?

24 So, what we have done is we have created a new
25 option for teenagers and for parents to think about their

1 gender-nonconforming child. Instead of saying, oh, I have
2 a pre-homosexual child, boy or girl, I have a trans child
3 boy or girl. I don't think the genes have changed. We've
4 had this phenomenon forever. We just haven't had it in as
5 high a prevalence.

6 And so the great new prevalence is not in gender-
7 nonconforming children. The great new high prevalence is
8 from teenage girls who are feeling their internal
9 subjective discomfort, looking on the internet, listening
10 to culture, and saying, oh, I recognize me. I'm trans. I
11 should be a boy. I'm going to live as a boy. That was not
12 the outcome, you see, 50 years ago, 100 years ago. Those
13 people became hidden sexual minority people, but they were
14 identified as lesbians in the past. And so, today, we have
15 this confusion between lesbianism and transgender male
16 stuff.

17 DEMOCRATIC CHAIRWOMAN DELISSIO: So, Dr. Levine,
18 I don't disagree that information is available very, very
19 differently, literally at our fingertips --

20 DR. LEVINE: Yes.

21 DEMOCRATIC CHAIRWOMAN DELISSIO: -- for anybody
22 who has one of these. And information is absorbed in a
23 variety of ways. And in fact it's not unusual for folks to
24 seek out information that confirm their own personal
25 beliefs on a particular issue. We're all humans. That

1 happens.

2 The part of it that does kind of give me pause is
3 some of the words that you're choosing to use that make it
4 to me sound like your colleagues, other medical providers,
5 licensed medical providers, are having children walk into
6 their office and say, hey, you know, my goal is to be a boy
7 because I'm feeling it that way and that your colleagues
8 are, you know, as you said, pushing these things through or
9 acknowledging that.

10 You know, I know in any sector of any industry
11 there are those folks who carry out their responsibilities
12 with a great deal of integrity, with a great deal of
13 professionalism, et cetera, and it is the minority of folks
14 that are folks that we commonly refer to as kind of bad
15 actors. I cannot believe that the majority of the medical
16 profession is responding to this situation as you describe.

17 And you've particularly called out urban centers.
18 I'm not sure why. Most medical centers are located in
19 urban areas, workforce issues, more population to serve, et
20 cetera. I live in the Philadelphia area where we are very
21 rich with resources in terms of universities and medical
22 centers and medical schools type of thing. I can't imagine
23 that any one of those systems would stand up a clinic
24 because it was, you know, the cool thing to do.

25 And so if transgender clinics have come online,

1 they're there to serve a population, and they're there to
2 serve a need. The trustees and the folks who run these
3 organizations didn't do that lightly and say, you know, how
4 might we generate some new revenue or some new income?
5 They are there to serve.

6 And in fact did I hear that your clinic -- you
7 used the word independent -- is or is not affiliated with
8 Case Western?

9 DR. LEVINE: Is no longer affiliated.

10 DEMOCRATIC CHAIRWOMAN DELISSIO: Is no longer
11 affiliated --

12 DR. LEVINE: Right.

13 DEMOCRATIC CHAIRWOMAN DELISSIO: -- with Case
14 Western.

15 DR. LEVINE: Right.

16 DEMOCRATIC CHAIRWOMAN DELISSIO: And when did
17 that split happen?

18 DR. LEVINE: 1993.

19 DEMOCRATIC CHAIRWOMAN DELISSIO: Okay. Was that
20 a business decision, may I inquire, or what --

21 DR. LEVINE: It had nothing to do with gender
22 identity. In fact, we kept the name Case Western Reserve
23 Gender Identity Clinic for another 5 years until a lawyer
24 decided that wasn't a good idea. I don't think you want to
25 know all the details --

1 DEMOCRATIC CHAIRWOMAN DELISSIO: No. I --

2 DR. LEVINE: -- you know --

3 DEMOCRATIC CHAIRWOMAN DELISSIO: But it is an
4 independent clinic, not currently --

5 DR. LEVINE: And in the last --

6 DEMOCRATIC CHAIRWOMAN DELISSIO: -- it has not
7 been affiliated --

8 DR. LEVINE: In the last three years in my
9 metropolitan area, each hospital has a clinic devoted to
10 this. The one at University Hospitals does not have a
11 psychiatrist associated with it. And the parents that I
12 get to see who've had their children interviewed at one of
13 those three clinics come to me with great distress about
14 the rapidity with which the child has been affirmed. And
15 what I said to you in my remarks is really a summary of
16 perhaps 10 different sets of parents, you know, educated
17 and uneducated parents alike. This is not what I expect
18 from medical professionals.

19 When you have a clinic that has a high throughput
20 of many, many patients, they cannot possibly provide the
21 kind of care, evaluation over a long period of time with
22 sophisticated clinicians. There is in fact an economic
23 motive behind many of these clinics. I know the individual
24 professionals want to give care and they're as wonderful as
25 you described them, but, you know, this is a process that

1 leads to surgery and hospital revenues. It's been a good
2 idea to have three new clinics within three years only
3 because it's economically useful to the larger issues.

4 I'm just saying to you if this were my child, and
5 I guess I could say if this were your child, you would want
6 a thorough investigation of why this is happening, why my
7 child is repudiating their gender. I think you would
8 object to the rapidity with which your child is being
9 pushed along.

10 So, these clinics are often called gender-
11 affirming clinics. The name of the clinic tells you that
12 there is not a careful psychiatric extended evaluation of
13 this stuff.

14 Now, all this work, all this new phenomenon is
15 based upon what is called the Dutch experiment that was
16 begun in 1999 in Amsterdam, and they demonstrated a long-
17 term follow-up that was positive for cross-gender-identity
18 children who were given puberty blockers, but those
19 children had constant family and individual psychotherapy
20 throughout the process. And I challenge you to find a
21 clinic that sees children and their parents regularly,
22 frequently during the process. Once every three months is
23 not regular, frequent. The original clinic that
24 demonstrated without a control group, by the way, that most
25 of these children do very, very well, had extensive

1 psychiatric and psychological help throughout the process.

2 That is not happening anywhere in the United
3 States. What is happening in the United States is
4 affirmation, affirmation, affirmation and no consequence,
5 no thought given to the long-term consequences based upon
6 50 years of cross-sectional studies showing that this is
7 marginalized, vulnerable, psychiatric and drug-impaired
8 groups of people. And if you're very poor and if you're
9 African-American coming from poverty, your rates of dying
10 or having AIDS is 17-fold than more advantaged children.
11 So, there are all kinds of problems that come with this
12 adaptation.

13 And if there is a minimal psychiatric
14 involvement, which is typically a minimal psychiatric
15 involvement, I don't think we're improving the child's
16 coping capacities to deal with all the problems that are
17 going to come throughout the rest of their lives. And
18 please remember the careful studies done in Sweden. The
19 recommendation was that these individuals should have
20 lifetime psychiatric care.

21 This phenomenon of affirmation is based upon the
22 professionals' idea that this is a cure for gender
23 dysphoria. It may be a cure for genital dysphoria. It may
24 be a cure for the discomfort with the body, but it's not a
25 cure for the psychiatric problems that are going to follow.

1 And that doesn't mean that there aren't people who do very
2 well and don't have any psychiatric needs, but when you
3 have a phenomenon where a high number of people, a high
4 percentage of people have significant ongoing psychiatric
5 needs, it seems to me that all of us should have some pause
6 about what we do when we say if this is a clinic for your
7 gender-disturbed child, this is an affirming clinic because
8 there's a belief that affirmation helps in the short run.
9 And I think affirmation does help in the short run.

10 Children are happy when they're treated the way they want
11 to be treated. But my concern is not two months', three
12 months', two years' happiness. My concern is long-term
13 happiness, long-term health, physical health and long-term
14 mental health. That's really I think the gist of my
15 testimony today.

16 DEMOCRATIC CHAIRWOMAN DELISSIO: Thank you,
17 Chairman.

18 MAJORITY CHAIRMAN SCHEMEL: Thank you, Chair.
19 Any other questions?

20 And I should recognize the presence of
21 Representative Keefer. Representative Keefer.

22 MS. METZLER: This is just a reminder that it's
23 not allowed for the general public to record during these
24 meetings. We are publishing this via PCN, but you cannot
25 record. Thank you.

1 REPRESENTATIVE KEEFER: Thank you for your
2 testimony. I did a lot of reading prior to this as well in
3 trying to understand it, and my concern is that we're
4 dealing with children, prepubescent, and we've made all
5 these measures in the General Assembly lately as far as
6 smoking, you know, vaping, pushing the age out to 21 from
7 18. But I wonder what those long-term consequences are
8 going to be in the children growing.

9 So, I tell this story nonstop. My child at five
10 years old thought he was a dog and wanted to be a dog,
11 would only eat out of bowls off the floor, would throw
12 pencils and fetch the pencils. For Christmas he wanted a
13 tail. That's what he asked Santa Claus for for his
14 birthday. He asked me for a tail. It was nonstop. And
15 finally about 18 months into this he says to me, "Mommy, I
16 decided I don't want a tail anymore." He goes, "First of
17 all, I don't have fur." He goes, "And second of all, it'd
18 be really hard to sit down." And he just kind of evolved
19 out of it, but it was nonstop. My husband would say when
20 is this going to end? His dog name was Donut. He wouldn't
21 answer if you didn't call him Donut. This went on and on.
22 You know, and we let it run its course, right?

23 But then on a more serious side of things we have
24 an adult family member who had this phobia of being alone,
25 thought somebody was in the house nonstop, and until we

1 could get them into psychiatric counseling, somebody was
2 staying with them nonstop, reaffirming, okay, nobody's in
3 the house. For while initially they were like saying,
4 "Okay, we checked" -- because the person they thought was
5 in the house was Bob. "We checked Bob is outside. We've
6 got him outside. He's not in the house." What other
7 conditions, psychiatric conditions do we affirm, do we say,
8 okay, we're just going to go along with this, you know,
9 thought process, you know, for the long term? Are there
10 any other psychiatric conditions where we say, okay, we're
11 just doing an affirmative type of psychotherapy or medical
12 treatment for it? Or surgeries rather.

13 DR. LEVINE: Just parenthetically, I've had a
14 patient who wanted to be a bear and thought he was a bear
15 for about 18 months. We are charmed by such stories in
16 young children, right? We are alarmed by those stories the
17 older the child becomes.

18 I think the answer to your question is no, I
19 don't think we affirm; I think we investigate. I think we
20 wonder. I think we form a relationship with the child and
21 the family that is based upon our concern of the meaning of
22 this. And we try to not say, well, you're not a dog,
23 right? You're not a girl or a boy, but we say what might
24 be troubling this? What's behind this creative sense of
25 self? You see? What's behind it? I think these are

1 questions that all of us respect and expect from the mental
2 health professional.

3 And I don't think that the concept of we have a
4 six-year-old who's non-gender-conforming and that we ought
5 to affirm that child and leave that child to believe that
6 she can be a boy or she can be a girl. I don't think
7 that's helping with what psychiatrists call the reality
8 testing of the child.

9 Now, your wonderful son outgrew it. His reality
10 testing caught up with him, with his young child fantasy.
11 This is what we want. We want what we call the sense of
12 reality to descend upon. But, see, now culture has a new
13 reality, so the trans adolescent believes and knows there
14 are -- and I agree there are entities called
15 transgenderism. It is possible to live your life as a
16 trans person. The only question I've been testifying to
17 here is is that a healthy -- that puts the child to me or
18 the adolescent or the adult at risk for the things I've
19 outlined. But what you're bringing up is what we call
20 reality testing.

21 MAJORITY CHAIRMAN SCHEMEL: Representative Cox.

22 REPRESENTATIVE COX: Thank you, Chairman.

23 Dr. Levine, you mentioned a couple times that you
24 had family members, parents who came in after going to
25 these --

1 DR. LEVINE: Yes.

2 REPRESENTATIVE COX: -- gender-affirmation
3 clinics --

4 DR. LEVINE: Right.

5 REPRESENTATIVE COX: -- and they were distressed
6 by the direction that their child was being pushed if you
7 will. It brings to mind a consent discussion of, you know,
8 who is consenting in that realm? Is it the parent
9 ultimately? My assumption is the parent is ultimately
10 still put in the position of having to provide consent for
11 that surgery or treatment or whatever is being done, and
12 that's why they're seeking perhaps that second opinion from
13 you and your professional opinion. Is that what you're
14 experiencing in your opinion is the desire to have more
15 information as parents before they make that decision?

16 DR. LEVINE: Well, I don't think I have to tell
17 the Committee that an 11-year-old, a 12-year-old, a 15-
18 year-old cannot give consent to sterilization and to
19 hormones in any of the treatments, and so of course the
20 parents are responsible legally, ethically, morally for the
21 health and the future of their children. So, informed
22 consent to me is a vital ethical requirement, and so making
23 a diagnosis may be the first step of the psychiatric
24 evaluation, but investigating how this came to be is the
25 second step. And, you see, if we say this is a gender-

1 affirming clinic and if you come here and you're going to
2 get affirmed and you're going to be on the track for
3 endocrine treatment very quickly without the second step,
4 to me, we've bypassed the informed consent.

5 We haven't said to the parents, do you know this
6 is going to lead to sterilization? Do you know this is
7 going to lead to sexual impairment? Do you know this is
8 going to lead to educational, vocational, mental health
9 problems in the future? Do you know this is going to lead
10 to the possibility of premature death? Why would you say
11 that if you want to have a gender-affirming clinic?

12 So, they all say that we give informed consent,
13 but I doubt very much that they review the 12 dimensions of
14 things that need to be informed about, you know.

15 REPRESENTATIVE COX: When the parents are sitting
16 there, they're obviously feeling torn about what their
17 child is telling them and about what they as an adult might
18 have otherwise experienced. You know, they do have more
19 information already even prior to walking into the gender-
20 affirming clinic. They have more information, life
21 experience, et cetera. They perhaps have interacted with
22 friends who might have desisted at one point, you know, so
23 they're bringing a lot more to the table. Is there a
24 common thread in why the parents are feeling torn?

25 You mentioned in your testimony the higher

1 incidence of suicide for children and individuals who don't
2 transition and so forth. Are parents expressing that
3 concern that if I don't do something, I'm at risk of losing
4 my child to suicide? Is that a concern you're hearing
5 or --

6 DR. LEVINE: Mr. Cox, let me try to correct
7 something embedded in your question. We do not know that
8 kids who do not transition have a higher risk of suicide.
9 We do not know that. That is not an established fact. But
10 what many people believe that unless I transition my kid,
11 they're going to be dead. And what happens oftentimes is
12 the trusted mental health -- the trusted pediatrician or
13 the mental health counselor or the psychiatric evaluator or
14 the nurse dealing with them has said to their parents --
15 that's a manipulative, coercive, terrifying thing, you see?

16 Now, we in the medical profession want our
17 patients to trust us that we know the science of things.
18 And if we summarize that your kid is going to be dead
19 unless you transition them, they either trust that and, oh
20 my God, we better do this and let me put aside all my
21 intuitive worries about the wisdom of this, you see, or
22 they get another opinion.

23 REPRESENTATIVE COX: And I guess that was -- I
24 apologize for embedding what I knew not to be a fact and
25 making a sound like that was my understanding of it. I

1 heard your testimony and you saying that there was no
2 evidence of that being the case. My question really
3 ultimately lies then in are you hearing parents coming in
4 saying to you I'm torn because they're telling me that --
5 in other words, are the medical professionals that are at
6 these gender-affirming clinics, are they perpetuating this
7 idea consistently that they believe there's a higher
8 suicide rate, et cetera? Are you seeing that in your
9 setting?

10 DR. LEVINE: I hear that story. I don't work in
11 those clinics, so I can't tell you that's what we tell the
12 parents. But I hear from parents and other people that
13 that goes on. But please don't -- I'm not accusing every
14 one of those doctors --

15 REPRESENTATIVE COX: I understand.

16 DR. LEVINE: -- every one of those staff members
17 of saying that. I just think that's a common belief. I
18 mean, I've heard an endocrinologist testify that what he
19 does by giving puberty blocking is he's saving children's
20 lives from suicide.

21 REPRESENTATIVE COX: And if I might, Mr.
22 Chairman, we as a legislative body -- I had one colleague
23 say that, you know, we as a legislative body shouldn't step
24 in and tell the medical profession what their scope of
25 practice is and all sorts of things. I've served on the

1 Health Committee for number of years now. I've served on
2 the Professional Licensure Committee at one point. We vote
3 on things all the time. We just recently said, you know,
4 you have to be 21 for tobacco. So, we in fact do put
5 boundaries and limitations in place.

6 And I understand if this is like stretching the
7 boundaries of your expertise, but do you feel it's
8 appropriate for us to perhaps step in and limit and say --
9 again, based purely on the science that you've described to
10 us, do you feel it's appropriate for legislative bodies to
11 step in and say we're going to limit and say these
12 surgeries should not happen or should we put guidelines or
13 other types of things in place requiring certain steps to
14 occur?

15 DR. LEVINE: As far as I understand, which is
16 limited, my understanding about this, legislative bodies in
17 various States have done very different things about
18 constraining or encouraging. There are some States that
19 have made it a crime to do psychotherapy with kids and
20 teenagers who are cross-gender-identified. So, the second
21 approach to the treatment is illegal, for example, I think
22 in California and in Ontario, Canada. So, I think
23 legislatures all over the place have decided that it's
24 appropriate to put restraints, but the interesting or
25 ironic thing is that the constraints vary from State to

1 State.

2 I am not asking the Committee to outlaw sex
3 reassignment surgery. I'm not asking the Committee to
4 outlaw the judicious use of endocrine treatments. I'm just
5 raising questions for you about the wisdom of encouraging
6 puberty blocking the way I understand it happens in urban
7 centers that process many, many kids, increasing numbers of
8 children. And I think that you need to understand or at
9 least my concept that I want to convey to you is that when
10 a clinic gives a label of gender affirming, that generally
11 means that they consider it to be unethical to investigate
12 why the child is transgender. They see it as a civil
13 rights issue and we can help this child to a happier life.

14 And I'm saying that would be wonderful. I would
15 be very supportive of that if there were scientific
16 evidence that we were helping these children to a happier
17 life. But the *New England Journal of Medicine* within the
18 last 12 months had two articles that refer to the
19 transgender population as vulnerable and marginalized and
20 then listed all the ways they were marginalized, including
21 housing discrimination, high levels of disability, see.
22 So, I say there are some individuals that I would affirm
23 and I have affirmed, but it is not after I met them once,
24 you see? That's my point. Is that an answer to your
25 question?

1 REPRESENTATIVE COX: Absolutely. Thank you so
2 much.

3 MAJORITY CHAIRMAN SCHEMEL: Thank you, Doctor.
4 Representative Zimmerman.

5 REPRESENTATIVE ZIMMERMAN: Thank you, Mr.
6 Chairman. And thank you, Dr. Levine, for your testimony.

7 You had mentioned that a high percent of these
8 children with gender dysphoria would actually kind of grow
9 out of it if left alone. Do you have any actual percents
10 of what that might be is part of my question? And then
11 kind of a second question not quite related, but when you
12 start with puberty blockers, for example, is there any
13 turning back, or does that start down a path that there's
14 no coming back?

15 DR. LEVINE: Okay. So, the first part of your
16 question is that there have been 11 studies of children
17 following young children for up to 10 years into
18 adolescence. All 11 of those studies have found that the
19 majority of the children outgrow it, the majority. The
20 highest one is like close to 90 percent, but there are some
21 who've been in the 60 range, 60 percent range, you see.

22 REPRESENTATIVE ZIMMERMAN: It's still very high.

23 DR. LEVINE: So, that's very important for us to
24 understand because it feels to me like there may be an
25 ethical question here about intervening when children would

1 desist. It seems to me that why aren't we talking about
2 the ethics of that?

3 The second part of your question, just give me a
4 word, reminding me what --

5 REPRESENTATIVE ZIMMERMAN: Yes. If puberty
6 blockers are started --

7 DR. LEVINE: Oh, reversible, yes, sorry. So, a
8 child can take puberty blockers and stop them, and I would
9 imagine that -- I think my colleague will have more expert
10 opinions about this -- that the sooner you stop them, the
11 more reversible they would be both psychosocially and
12 medically. But, as I've said to you, in some of the
13 articles, the more careful authors talk about putatively
14 reversible meaning based on our knowledge, we think they're
15 largely reversible but we don't really know what the long-
16 term effects of any puberty-blocking agent for how long is.
17 I don't think the specifics are very well-known.

18 But certainly the answer to your question is if I
19 give a child a puberty blocker for one year and delay their
20 puberty, when I stop that, the pubertal processes will
21 return. I don't think we ruin the capacity to go into
22 puberty. We just delay the capacity. Whether it's the
23 same pubertal response that would have been naturally I
24 would leave to my colleague to talk about. I don't know.

25 REPRESENTATIVE ZIMMERMAN: Thank you. Thank you,

1 Mr. Chairman.

2 MAJORITY CHAIRMAN SCHEMEL: Other questions?

3 Very good. Dr. Levine, thank you so much for coming to
4 testify today. I wish you good travels back, hopefully one
5 flight rather than three will return you safely to
6 Cleveland.

7 DR. LEVINE: Thank you.

8 MAJORITY CHAIRMAN SCHEMEL: I'm sorry.
9 Chairwoman DeLissio, did you have -- oh, I'm sorry.
10 Chairwoman Rapp.

11 REPRESENTATIVE RAPP: Representative Schemel,
12 thank you. I just wanted to thank you for being here, Dr.
13 Levine. I think it was very informative. And certainly
14 you have the information that, as Representative DeLissio
15 says, we are not medical professionals here, but certainly
16 it is our responsibility I believe to look out for, as
17 Representative Cox alluded to, our children in this State
18 and making sure that we are protecting our children.

19 And I do believe that we will probably be
20 hearing, you know, from the other side of this issue in the
21 near future, but we certainly appreciate your input into
22 this timely subject. So, thank you for being here.

23 DR. LEVINE: And I appreciate the opportunity of
24 speaking with you as well.

25 MAJORITY CHAIRMAN SCHEMEL: Very well. Thank you

1 for your time.

2 I think in the interest of time we're going to
3 press on, Dr. Van Meter, if that's all right with you. You
4 can begin your testimony.

5 DR. VAN METER: I'm Quentin Van Meter. I'm a
6 pediatric endocrinologist in private practice in Atlanta,
7 Georgia. I am board-certified in pediatrics and also
8 board-certified in the subspecialty of pediatric
9 endocrinology. I received my medical degree at the Medical
10 College of Virginia in Richmond and proceeded on to a Navy
11 career of 20 years, during which time I completed my
12 internship and residency at the Oakland Naval Hospital
13 affiliated program of University of California San
14 Francisco, and then I practiced as a pediatrician in the
15 Navy for several years and then went to my fellowship at
16 Johns Hopkins sponsored by the Navy as well and then
17 decided to stay in for a 20-year career because of the
18 teaching opportunities that I had as a staff pediatric
19 endocrinologist in San Diego Naval Hospital and then as a
20 Department Chairman and a Residency Program Chairman in
21 pediatrics at the Naval Hospital in Oakland.

22 During all those years in the Navy, I had
23 affiliations with my partner civilian teaching institutions
24 in the community in San Diego and in San Francisco, briefly
25 in New Orleans while I was stationed there as well, and

1 I've maintained those academic positions as clinical
2 adjunct faculty. And today, I'm on the faculty of Emory
3 University School of Medicine and Morehouse College in
4 Atlanta, Georgia.

5 So, that's my background, though how I got into
6 the issue of transgender is basically from my fellowship
7 days back in the late 1970s. On the faculty at Johns
8 Hopkins was a clinical psychologist of note in Dr. John
9 Money, and he developed what was called the Psychohormonal
10 Clinic. And that clinic was of interest to him because we
11 had a number of patients, infants and toddlers who had
12 disorders of sexual differentiation or who had precocious
13 puberty.

14 And his idea was to evaluate the psychological
15 basis of their adaptations to these issues and kind of come
16 up with the theory if you will that he promoted about what
17 happens to the gender of this child. He actually coined
18 the term gender identity. Gender before that if you look
19 back at medical textbooks didn't exist as a medical term
20 but was a linguistics term. It referred to the nouns and
21 pronouns in language in various languages around the world.

22 So, he looked at that, and, again, his personal
23 opinion was that gender identity essentially is one's
24 internal sexed self or how they view themselves in the
25 world. And he thought that by age 18 to 2 years that the

1 gender identity became a bit more concrete and that it was,
2 again, an interaction of the physical findings of the
3 patient and their surroundings that brought that to
4 fruition.

5 So, his problem in terms of science was that he
6 was not a man of science. He was a man of I have an idea,
7 I really firmly believe that this is a concept, and what I
8 would like to do is to treat patients with my concepts and
9 see what happens to them. These were before the days of
10 committees that protected human subjects from
11 experimentation, and so he did his theories. He applied
12 them to infants and toddlers in terms of gender assignment
13 based on ambiguity of the genitalia at birth, and he
14 processed a number of patients, including patients with
15 precocious puberty, and came up with outcomes that in
16 retrospect were somewhat disastrous, including a very well-
17 known case of one of twin boys who was reassigned the
18 gender of female at birth after accidental amputation of
19 the penis during a circumcision.

20 And that child grew up believing as a female,
21 under the guidance of Dr. Money was instructed to play
22 sexually with the anatomy of the brother, the other twin
23 throughout young childhood and then subsequently to -- in
24 adolescence this child was morbidly depressed and anxious
25 and he was told that indeed he was not a girl but was born

1 a boy and that at that point in time he requested to have
2 surgical reconstruction of what was left of his phallic
3 stump. And so he became again in his young adolescence
4 identified as a male, subsequently married and subsequently
5 took his own life.

6 And this one particular case sort of closed the
7 door on Dr. Money's career at Johns Hopkins. It occurred
8 over the time that he was there. The Chairman of the
9 Psychiatry Department at Johns Hopkins, a very notable
10 worldwide well-published physician who writes extensively
11 on human sexuality, Dr. Paul McHugh shut down the psycho-
12 hormonal group because of that particular issue and others
13 that had surfaced by that time.

14 Simultaneously, as a pediatric endocrinologist,
15 we were charged with looking after the adult what were then
16 called transsexual patients that Dr. Money had worked
17 through his protocol with social affirmation, medical
18 affirmation, and surgical manipulation. And we were asked
19 to take care of those patients because the adult endocrine
20 division refused to do so. So, we had exposure to those
21 patients and their social circumstances. And that, again,
22 was buried and put away as an experiment that failed, and
23 that was the end of that as far as we knew it from the
24 endocrine standpoint.

25 So, I finished my fellowship and had my naval

1 career, finished my naval career, and moved to Atlanta,
2 Georgia, in 1991. And two years later, I was approached by
3 a family who had just moved to the area, a military family
4 from southern California, and they presented to me their
5 son, who was cross-dressing and identifying as a female,
6 who obviously had gender dysphoria, what is now described
7 as gender dysphoria. They came to me to seek hormonal
8 treatment.

9 And again in 1993 nowhere could I find among my
10 endocrine colleagues and my mentors across the country any
11 advice on what to do with hormonal treatment. It was
12 unheard of. It had not happened as far as we knew in
13 children. And I was advised to get an attorney to write a
14 very specific kind of a protocol of informed consent and
15 assent on the part of the patient, and I was advised that
16 perhaps I should start this child on estrogen therapy,
17 which I did.

18 The follow-up for this patient was lost because
19 the family moved again six months after I began therapy.
20 And that in 1993 was the only case I knew of, and none of
21 my endocrine colleagues in and out of academia and clinical
22 practice had ever experienced someone coming to them and
23 asking for information on what to do.

24 So, to put that in the scope of things, that's
25 where we were back then, and we fast forward from 1993 to

1 the year 2006 when Dr. Norman Spack from Boston came back
2 from the Netherlands where he had sort of mentored in their
3 Dutch protocol and opened up what was then the first
4 transgender clinic in the United States. So, if you think
5 about the timescale of where these kids were, wondering
6 where they were in the woodwork, what was happening to
7 them, it was an empty landscape at that point in time.

8 Dr. Spack's clinic was the first, and within two
9 years he was on the committee of the Endocrine Society.
10 The Endocrine Society is a professional group to which I
11 belong, among other professional groups. The Endocrine
12 Society had a committee that they put together. It was a
13 special interest group so-called. The Endocrine Society is
14 a national organization with some international ties,
15 membership estimated to be somewhere around 20,000 members.
16 It is predominantly an academic group. It is predominantly
17 university-based and adult-oriented. There's not a
18 pediatric subdivision of the Endocrine Society, but most of
19 us in pediatric endocrinology belong to that organization
20 because of the continuing medical education opportunities
21 and mentoring with our colleagues on the adult side.

22 The Endocrine Society group -- there were nine of
23 them initially -- on that group were only people who were
24 WPATH members of the committee, half of them from Europe,
25 half of them from the United States. Of the

1 endocrinologists on the board, that nine-member committee,
2 there were only four endocrinologists. The rest were
3 mental health providers, a general pediatrician from the
4 Netherlands, mental health folks and adult endocrine
5 people. These guidelines were made specifically for the
6 treatment of transgendered kids, specifically guidelines
7 what to do with children, and only a fraction of the
8 committee that designed these guidelines were actually
9 pediatric endocrinologists who would be knowing the ins and
10 outs of what would happen with medication and subsequent
11 surgical recommendations.

12 So, this committee convened. It put together its
13 recommendations. There were 23 of them, and they are
14 published in the *Journal of Clinical Endocrinology and*
15 *Metabolism*. They rate these guidelines from one circle to
16 four circles in terms of scientific basis, four circles
17 being very strong scientific basis, one circle being none
18 or very limited, and then graded in between. Two is a
19 little bit of science but not much, three is moderate
20 amount of science, and four.

21 So, each of these recommendations had what's
22 called the grade system attached to them. Only three of
23 those 23 recommendations had any moderate scientific basis,
24 and those were we don't know what to do about cross-sex
25 hormones and the safety of them; that needs to be studied.

1 We don't know about blocking puberty; that needs to be
2 studied. Those recommendations had the scientific basis
3 behind them saying there is no science. We know what's in
4 the literature, and it's not there. It needs to be, and
5 that should be looked into.

6 The remaining 19 of the guidelines -- 22
7 guidelines in the first -- were half no science whatsoever
8 and half potentially a little bit of science. Not only did
9 they grade those that way openly, then they put their
10 recommendations, a strong recommendation or a mild
11 recommendation to label each of these recommendations. For
12 reasons that they openly admit and published in the
13 guidelines, they recommended strongly without any
14 scientific basis that these recommendations should go
15 forward based on personal experience and beliefs, not
16 science.

17 Now, you would wonder how would the Endocrine
18 Society published a set of guidelines -- they're not
19 standards of care at all; they're guidelines. How would
20 they publish that without a consensus of the organization?
21 They very subtly -- it's kind of like something that gets
22 published in the Federal Register. Didn't you read, sir,
23 that if you wanted to respond to a federal law, that it was
24 published in there and you had an opportunity to say
25 something?

1 We happened to catch, a number of us in the
2 endocrine field, who were a bit dismayed at these
3 guidelines and their iterations as they were being written,
4 that these were not good guidelines or appropriately
5 scientifically based guidelines, and we provided some input
6 to the committee, none of which was used in the process of
7 coming up with the conclusions that were published.

8 So, the Endocrine Society guidelines are
9 essentially the opinions of nine people. There were no
10 contrary opinions on the panel. Missing was Dr. Paul
11 McHugh. Missing was Dr. Kenneth Zucker, who Dr. Levine
12 mentioned who was really the pioneer if you will the study
13 of what was then called gender identity disorder and then
14 subsequently gender dysphoria.

15 Why those people were excluded from the committee
16 is only up to speculation. I have not personally spoken to
17 the individuals on that committee. I know some of them
18 personally. But the guidelines were published and became
19 -- this was within two or three years of Dr. Spack's
20 opening his clinic, and he was one of those members of the
21 committee. And that was when we began to see the
22 exponential increase in the number of transgender treating
23 clinics across the country.

24 So, to explain to you where was this hidden, it
25 was not that it didn't exist. As Dr. Levine said, it was a

1 morbidity that was out there but it had been amplified by
2 communication. And the internet, all the social websites,
3 if you look at the incidence of transgenderism and the
4 incidence of use or availability of Twitter and Facebook
5 and whatnot, the rise parallels that. Now, that's an
6 association, not a cause, but it is interesting that you
7 wonder where this comes from. How did this happen? And
8 the advent of these clinics, you know, showing up across
9 the country, now upwards of 65 of them, they tend to be
10 based in academic centers because the academic centers are
11 very sensitive to being up to speed with the social aspects
12 of medicine.

13 So, the impetus is not -- I would like to be
14 optimistic and say it's not financially driven, but it is
15 to become a sensitive person, somebody who recognizes the
16 complexity of society and discrimination against
17 individuals, it's almost an overreaction to be sure that
18 you are the most up-to-date and the most appropriate and
19 sensitive center. And to do that you need to have a
20 transgender clinic to provide care for the patients in your
21 geographic region.

22 There is an incentive that's sort of perverse.
23 The *U.S. News and World Report* surveys every year of best
24 hospitals has a pediatric endocrine section in it, and one
25 of the questions in there that you get points for that

1 increases your score is whether or not you have a
2 transgender clinic and whether or not you've increased the
3 number of patients from year to year. If you do have both
4 of those things, you get extra points and your hospital
5 goes up in a rating. So, many academic centers are very
6 interested, as Children's Healthcare of Atlanta consortium
7 is in Atlanta. They want to have a higher rating for their
8 endocrine division, and therefore, they quickly cobbled
9 together a transgender clinic, which has been in operation
10 in Atlanta for about four years now.

11 So, that's where this came from. You would say
12 how is this accepted by the general medical community?
13 We've got the Endocrine Society writing these guidelines.
14 That says that 20,000 ostensibly members support that.
15 Take it a step out further and the American Academy of
16 Pediatrics, to which I belonged for a number of years, has
17 67,000 members, and they came up with a guideline written
18 by one individual that was reviewed potentially by the
19 executive board and a small committee. The best
20 guesstimate of people who laid hands on that and edited
21 those guidelines is maybe as many as 30 people in an
22 organization of 67,000 members, none of whom -- obviously
23 35 potential members were able to review those records and
24 give input. The rest was done behind closed curtain.

25 So, those guidelines are written, and they sound

1 very impressive, okay? The American Academy of Pediatrics
2 recommends this. The Endocrine Society recommends this.
3 The pediatric Endocrine Society guidelines came out as sort
4 of a parallel set, and those are quoted often, and you will
5 hear them quoted when you hear folks on the other side of
6 this affirmation issue, that they recommended that the
7 mainstream medical practice is that these guidelines should
8 be followed.

9 These guidelines are written by activists in
10 small committees who got into the power and made those
11 guidelines published. Interestingly in the Endocrine
12 Society guidelines they recommend the specific hormone
13 manipulation from wrong-sex hormones and talk about levels
14 to be achieved in the serum by giving estrogen to biologic
15 males and testosterone to biologic females. At the same
16 time, the Endocrine Society has published a set of
17 guidelines which they paired with the international
18 endocrine community saying that levels of testosterone
19 above 100 in women should be avoided at all cost because of
20 the side effects and the adverse outcomes in adult
21 patients, women who are asking to be treated with low-dose
22 testosterone. One Endocrine Society guideline says
23 testosterone above 100 should be avoided. The endocrine
24 guidelines for transgender say get that level of
25 testosterone in females up to, 1,000. Now, same

1 organization, disconnect between the cross. The guidelines
2 for testosterone treatment in adult women are very specific
3 and have wide scientific validity behind them.

4 So, from the endocrine standpoint -- and I'm
5 going to stick to the endocrine standpoint because Dr.
6 Levine did such a great job of describing the mental health
7 side of it -- why would we be concerned about puberty
8 blockers as pediatric endocrinologists? Why would we be
9 concerned about wrong-sex hormones? We're not doing
10 surgery. I can tell you my opinion of that, but I'm not an
11 expert in that field and I would defer to a plastic surgeon
12 who could give you more information. I certainly have
13 talked with colleagues, as Dr. Levine has, about the
14 problems with the surgical issues.

15 But the medical issues and puberty -- puberty is
16 not a disease state. Puberty is a manifestation of human
17 physiology to take a nonreproductive individual and change
18 them into a reproductive adult, either male or female. Sex
19 is binary. It's established at conception. It's
20 recognized at birth, and it exists for the lifetime of that
21 patient.

22 People with disorders of sexual differentiation
23 where their genitalia are looking abnormal or mixed at
24 birth are not a third sex. They are either male or they
25 are female. And that is the standard of endocrinology as

1 it's written in science and proven.

2 So, puberty is there on purpose, and to treat it
3 as a disease state or say the problems that happen during
4 puberty, if you go through puberty, you're going to
5 experience anguish. Well, everybody here in the room I'm
6 looking at I think went through puberty I'm assuming and
7 had anguish over things that happened to your body. Acne
8 in particular is such a devastating disorder to a number of
9 people who are acne-prone. We would never in our life
10 recommend stopping puberty to keep acne from happening.
11 So, you know, it's a different kind of a concept, but there
12 is lots of pain and agony about changing your physical body
13 from a prepubertal body to an adult.

14 And so puberty has a purpose. It is often
15 difficult. It has all the social aspects associated with
16 it. In an endocrine practice we see large numbers of kids
17 who are suffering from delayed puberty. It's the social
18 aspects of it primarily but in some cases the hormonal
19 aspects as well. So, we treat those kids. We watch them
20 to go along. We help them move through puberty. We
21 support them emotionally, and we get them to recognize that
22 puberty will happen eventually and that we guide them
23 through that and watch the outcome. It affects physical
24 growth and stature in boys in particular. It's a very
25 sensitive issue. So, you know, we know that puberty has a

1 purpose, and we know that hormones are necessary and
2 appropriate. The biologically appropriate hormones guide
3 you through that.

4 We also know from disease states where the
5 opposite sex hormones are overproduced because of
6 pathologic conditions, that those things are harmful. An
7 absence of estrogen in a female who has no ovaries at
8 birth, the estrogen must be replaced at the critical time
9 of age 10, 11, and 12 to begin that and maintain that
10 through young adulthood in order for their skeletal calcium
11 deposit to be able to be created and avoid osteoporosis and
12 severe bone disease as an adult. We know that from that
13 particular -- and these are not transgendered individuals.
14 These are not people with puberty blockers. These are
15 females without estrogen. It is a devastation to their
16 skeleton if they don't have estrogen. We aggressively
17 treat to put it back in so that their bone health is
18 appropriate.

19 So, we know from natural disease states that
20 appropriate sex hormones are very critical for the
21 development of that individual. Testosterone specifically
22 increases hemoglobin levels, increases physical strength at
23 a time when the body needs to gain that strength to do what
24 the male body was designed to do, not what the male
25 personality was supposed to do but what the physical body

1 was supposed to do.

2 So, those hormones are there on purpose, and to
3 block those, we have no idea from puberty blockers in
4 adolescence, in the adolescent age range, what the outcomes
5 are. We do know in kids with precocious puberty for which
6 these puberty-blocking drugs were developed, that we stop
7 them, and within 18 months the motor gets running again
8 after the last dose and they come back to essentially where
9 they were before these drugs were introduced. So, that
10 information we do have.

11 Yes, that is reversible, but we don't have any
12 experience, no one has done a prospective controlled study
13 to say if you block puberty and you get to 20 and if you
14 don't block puberty and you get to 20 in the transgendered
15 population, what's the difference? What's the health
16 outcome? That study needs to be done in order for that
17 drug to be approved by the FDA for use in the transgendered
18 patient. And no such study is ongoing, and no such study
19 has ever been done or published. That's the puberty
20 blockers.

21 So, as Dr. Levine indicated, there are brain
22 issues, as well as physical body issues that are related to
23 going through puberty, and it is a giant experiment to do
24 this to children. And then, as Dr. Money did back in the
25 days, I have an idea, I have a theory, I have a goal, I

1 really mean well for these patients, I'm compassionate for
2 them, and I'm going to try something on them and we're
3 going to see where we are 20 years from now. And that's
4 why children should not be experimented upon because it is
5 a giant experiment. There are laws passed in States where
6 puberty blockers cannot be used to sterilize pediatric
7 patients. And so, again, that's where the law has stepped
8 in in some States, to keep that from happening.

9 So, that is the issue with puberty blockers. The
10 wrong-sex hormones, there's, again, disease states that the
11 Endocrine Society, you know, gives guidelines to say
12 testosterone levels in women that are elevated are toxic,
13 that estrogen levels increased in males create stroke risk,
14 hypercoagulable states, and therefore, we want to make sure
15 that those disease states are eliminated with appropriate
16 treatment so that the morbidities don't happen, okay?
17 That's in the adult world. We do not know -- we can see
18 the physical changes in the transgendered child who has
19 been given the wrong-sex hormones, the physical changes,
20 the things that become irreversible. And so we have
21 experience to know that that is an issue.

22 Fertility clearly in a puberty blocker that's
23 stopped early after a short time, fertility will come back.
24 If you block the organizational development of the ovary
25 and the testes in early adolescence and then on top of that

1 put in cross-sex hormones, you literally are guaranteeing
2 the vast majority sterility for life. The final step with
3 surgical removal of the organs is -- absolutely proves --
4 you eliminate fertility altogether unless there's been
5 prior preservation of spermatozoa or oocytes before the
6 whole process, which is a crazy expensive procedure that
7 most of these disadvantaged families would never have
8 access to.

9 So, we know that there are problems. There are
10 disease states in adults. The big studies show that heart
11 disease and stroke and cancers increase. The male breast
12 tissue is highly vulnerable to exposure to estrogen, and
13 breast cancer increases exponentially in adult males who
14 are treated with estrogens.

15 So, this is something that we haven't done the
16 control studies, but when we don't have a control study, we
17 rely on nature and other disease states to look for
18 parallels of what happens. And this is why it's so
19 important for us not to do something -- if we want to pick,
20 if we want to do a scientific study, we must have a control
21 group. It must be an ethical study. And this is what
22 brings up the scary thing is there's one multicenter study
23 of transgender children in the United States, NIH-funded,
24 which is coming close to its fifth and final year. It is
25 not a study which has any controls in it. It's a study of

1 reviewing what happens to these kids in the transgender
2 clinic environment, when they go in there, what the
3 outcomes are at five years, not 10 years, not 20 years, not
4 30 years, which is what you need to know about because from
5 Dr. Levine's standpoint and his treating the adult,
6 transgender adults, the health morbidities and the
7 psychiatric morbidities are large in scope at that time.

8 The study from NIH is not directing these clinics
9 to have a specific protocol. It's just saying whatever you
10 do within your organization -- and there are four centers
11 in the U.S. that are collaborating for this -- let us know
12 the outcomes, how things look at the end of five years.
13 And that study will be published probably within a year or
14 so, maybe sooner. And that is the only study that's been
15 done. It is not a good study because it doesn't have
16 control groups. It's not a good study because it doesn't
17 have a protocol that's uniform in all centers.

18 So, it is going to be a study from which will be
19 cherry-picked some data, and that's, again, you'll hear the
20 trans affirmation advocates, they're going to cherry-pick
21 information out of bold data and ignore the big picture, as
22 they often do, and publish that. And it's sort of a self-
23 affirmation publication situation where they'll pull
24 something, write something from anecdotal experience and
25 cherry-picking data from a study, publish that, then a year

1 or two later quote this study as the expert study that
2 proved the point, quote that again and then requote and
3 requote and requote.

4 And if you look at the bibliography of the WPATH
5 guidelines, it is full of anecdotes and recurrently
6 reported studies that have no valid science because no
7 valid science in children has yet been done. So, the
8 guidelines where they recommend these things have no
9 scientific basis at this point in time, but they are
10 WPATH's idea of what would be the purposefully
11 compassionate appropriate thing to do for transgender
12 children.

13 Now, the mental health issue I will tell you from
14 my experience of having interviewed and discussed what goes
15 on in these specific clinics that are -- not every clinic
16 and not cherry-picked clinics, just the ones where we
17 happen to have an access, discussion of what happens, is
18 they are a conveyor belt. Very quickly, the clinic in the
19 Children's Hospital of Orange County, Director of the
20 transgender clinic Dr. Mark Daniels very kindly answered
21 questions that were proposed to him about what goes on in
22 the clinic, and he specifically stated that in the absence
23 of obvious severe mental disorders, delusions, you know,
24 schizophrenia, major depression, in the absence of those
25 things, once they eliminate the patient and they clear them

1 past that, there is no further psychological evaluation
2 provided as a routine.

3 And specifically, the families are completely
4 left out of the evaluation of the family dynamics, proudly
5 stated that, said we don't do that. We've got some folks
6 on staff if we see that there's some problems, but it's not
7 a routine. How in the world can that clinic process those
8 kids through where they affirm socially, very quickly put
9 them on puberty blockers, a year or two later put them on
10 cross-sex hormones, and send them down where essentially
11 almost every one of those children ends up affirming. It's
12 a pathway that looks like a golden Valhalla, and the
13 problem is that that conveyor belt ends and there's a drop
14 and no one follows the people that dropped off the conveyor
15 belt. We don't have the experience in children yet to do
16 that.

17 So, from the endocrine standpoint I cannot, as a
18 practicing physician, do harm to children. I cannot fathom
19 that this study at NIH has an Institutional Review Board
20 that possibly looked at the stopping criteria for adverse
21 outcomes.

22 I do clinical research studies frequently. I'm
23 involved in four or five at this point in time. The
24 training I have to go through every two years for the
25 protection of human subjects to understand exactly what

1 needs to be part of the research protocol to protect the
2 patient from harm is absolutely absent in what's being done
3 in the one study at NIH that says -- there's no way that an
4 IRB that I have had contact with -- it's an independent
5 review board. It's independent of the organization,
6 independent of the finance. It's a cross-section of people
7 in many, many disciplines, including economics and et
8 cetera, et cetera. Those boards look at those protocols
9 and design and approve the informed consent.

10 Now, if in the informed consent there's a mention
11 that your child is going to be sterile, that would be the
12 stopping criteria right at the beginning for any ethical
13 study that I have ever had a part in. An exception would
14 be for chemotherapy where you might damage the gonad in a
15 developing child, but there is significant mortality that's
16 well-known and well-documented to untreated cancers where
17 they have to do the irradiation or adversely affect the
18 gonads.

19 You'll hear comparison, well, these kids are
20 going to kill themselves. That's death. You know, we're
21 preventing a death in a child by going ahead and affirming
22 medically and socially. And the answer, as Dr. Levine
23 said, no, there is no science to show that at all. It's a
24 threat, and it's hung over.

25 In addition, online these teenagers and families

1 know that if they want to proceed with this process of
2 getting into the transgender clinic, initially, the
3 Endocrine Society said you must have a letter from a mental
4 health practitioner that says you have a risk of suicide.
5 The way to get your letter is to tell your practitioner you
6 want to kill yourself. That gets your ticket into the
7 clinic. And you can Google it and find it on the internet.
8 The teenagers have access to this. And it says this is how
9 you get it. This is what you say. This is what you do.

10 Now, is it surprising then when you take a
11 survey, a convenient survey of transgender kids who want to
12 answer the survey and they say have you ever thought that
13 you wanted to take your life, you bet. Of course. That's
14 how I got here in the first place. That's what I was told
15 to do. It got me in the door right away, and I'm on my way
16 to where I want to be. So, the suicide threat is a
17 manufactured one. It does exist, but it is promoted as a
18 way to get into the system. And therefore, if you survey
19 people in that system who are not all patients in the
20 system but those who wish to answer a survey, you're going
21 to get a convenient sample that's biased, and you're going
22 to come up with data that looks really impressive to show
23 that if we do not allow medical transition and social
24 transition in these kids, we are going to have dead
25 children as a result of that. And no parent can think

1 clearly if they're told that their child is going to take
2 their life unless they move this direction.

3 So, that is the problem, and, you know, I deal
4 with the patients that come into my office. I show them
5 the compassion that they deserve. These are not happy
6 children. These are not emotionally satisfied children.
7 They are seeking something that I cannot give them as a
8 medical practitioner without what I would say doing
9 malpractice and causing harm. Thank you.

10 MAJORITY CHAIRMAN SCHEMEL: Very good. Thank
11 you, Doctor.

12 Chairwoman DeLissio, do you have any initial
13 questions?

14 DEMOCRATIC CHAIRWOMAN DELISSIO: I do, thank you.
15 Just a quick housekeeping question. Whitney, you mentioned
16 about no recording, and I note PCN lights are on, but is
17 this also PCN to the right?

18 MS. METZLER: I know that there was one
19 organization that was given prior permission to record and
20 that they were the ones that were set up I was told ahead
21 of time, beforehand, but no one of the general public is
22 allowed to. That is our House rules.

23 DEMOCRATIC CHAIRWOMAN DELISSIO: And who is
24 recording, please?

25 REPRESENTATIVE RAPP: The Chair has discretion.

1 If I am notified ahead of time, Representative, there was a
2 request ahead of time for the Family Institute to do a
3 recording. It'll be on my Facebook page. It's being live-
4 streamed as well. There was a request. It was made ahead
5 of time that is at the discretion of the Chair of the
6 Committee.

7 DEMOCRATIC CHAIRWOMAN DELISSIO: Thank you,
8 Chairwoman.

9 REPRESENTATIVE RAPP: You're welcome.

10 DEMOCRATIC CHAIRWOMAN DELISSIO: I wasn't aware
11 of that, and thank you for the information. I just heard
12 Whitney's thing, and then I noticed this gentleman.

13 Dr. Van Meter, the guidelines that you referenced
14 and the process in this case that you described that the
15 Endocrine Society went through to produce some guidelines,
16 that vetting process if you will sounded a little light to
17 me, but you had said that the guidelines in essence would
18 then be boiled down to somebody's experience and beliefs as
19 to how they would implement them, someone being
20 practitioners. My notes are correct?

21 DR. VAN METER: Yes. And that's actually freely
22 discussed when you actually open the 2017 revision
23 guidelines, particularly as I've done, and read the
24 commentary. They'll say we highly recommend this even
25 though there is no scientific study to indicate this is

1 safe or effective, but we strongly believe this is the
2 right thing to do.

3 DEMOCRATIC CHAIRWOMAN DELISSIO: So, sir, I just
4 want to understand then that another practitioner would
5 also be then practicing according to their experience and
6 beliefs to the degree that beliefs factor into medical
7 science, so then neither party would be faulted if you
8 will?

9 DR. VAN METER: Well, the problem is that there's
10 not a dialogue, you know. And that's the one thing that
11 you mentioned upfront, which I'm really saddened that we
12 don't have the other individuals being able to be here
13 because of extenuating circumstances is that we have
14 trouble finding dialogue. We ask for dialogue. I
15 personally as a member of the American Association of
16 Clinical Endocrinologists and the Pediatric Scientific
17 Committee asked that we have a dialogue presentation on
18 transgender health at the meeting in Houston about three or
19 four years ago. The Pediatric Scientific Committee
20 recommended that that dialogue happened, and things laid
21 quiet, and the meeting brochure came out and there was a
22 transgender presentation by Dr. Rosenthal from San
23 Francisco on just his affirmation.

24 DEMOCRATIC CHAIRWOMAN DELISSIO: Well, I --

25 DR. VAN METER: We can't get our foot in the

1 door. And I didn't mean to speak over you and show --

2 DEMOCRATIC CHAIRWOMAN DELISSIO: No --

3 DR. VAN METER: -- disrespect --

4 DEMOCRATIC CHAIRWOMAN DELISSIO: Well, you're
5 here, so -- but I do -- that was what was attractive to me
6 and working with Rep Schemel on this was that opportunity
7 for dialogue. I think we all wish COVID-19 hadn't happened
8 to have provided that opportunity, and hopefully we can go
9 forward somehow figuring out how that dialogue happens.

10 Some of the caveats that you have mentioned,
11 about four years ago I happened to be diagnosed with breast
12 cancer. Now, wake up one morning and all of a sudden your
13 life is a little changed. Now, I assure you there was lots
14 and lots and lots and lots of fine print in the paperwork
15 that I had to execute in order to get treatment and have
16 informed consent.

17 And it was interesting. About two years ago a
18 staff person who worked unfortunately in this building had
19 a diagnosis related to the chemotherapy from 10 years
20 previously. It happens. And that diagnosis was very
21 different than breast cancer but it was a direct cause and
22 result of the chemotherapy. And it suggested that I confer
23 with my oncologist and, you know, was I aware of it. And
24 interestingly enough, when I, you know, said the
25 oncologist, you know, holy crap, she said I guarantee it

1 was in the fine print and quite frankly would you have made
2 another decision? And the answer was no. I was very
3 fortunate to be able to withstand the protocol and today
4 I'm here obviously.

5 But some of the caveats that you were mentioning
6 kind of reminded me of an insert in, you know, something
7 you get from the pharmacy, insert in a drug. If you ever
8 look at those inserts, they warn against everything and
9 anything and the kitchen sink. Now, whether the
10 probability or the possibility of those events occurring
11 vary. It varies on the individual. It varies on
12 extenuating circumstances. It just varies on a ton of
13 variables, and those inserts are there to both alert and
14 advise, although if the print gets any smaller, I'm not
15 sure how much alerting and advising we're doing well.

16 So, I can appreciate there are caveats with any
17 medical procedure, with any medical course of treatment.
18 There are. I'm not sure there's a practitioner out there
19 that would say I guarantee this. I guarantee the outcome.
20 So, I think when some of those caveats are mentioned and
21 particularly one in particular it sounded like puberty
22 blockers sterilize kids. That's what my notes said. There
23 are a few steps in there -- I mean, is that -- so if
24 somebody is given a puberty blocker, they are sterile?

25 DR. VAN METER: While they're on treatment,

1 they're gonadal function is shut down completely.

2 DEMOCRATIC CHAIRWOMAN DELISSIO: Well, if they're
3 children, we're hoping they're not reproducing.

4 DR. VAN METER: Right.

5 DEMOCRATIC CHAIRWOMAN DELISSIO: So, if that is a
6 temporary limited event for something that wouldn't even be
7 occurring, most certainly the majority of us hope don't
8 occur before somebody is well-prepared to have a family, is
9 that what you were referring to is that just the fact that
10 the child is on a puberty blocker would prevent them from
11 reproducing, but that's neither the goal nor, you know --

12 DR. VAN METER: The goal is -- and, again, Dr.
13 Levine stated it so eloquently. The adults who, looking
14 backwards, said that for them the changes of puberty were
15 the most difficult that they experienced, and it was based
16 on that recommendation that puberty be blocked. We don't
17 know. We have no idea about what happens to an adolescent
18 who has puberty blocked. We know that if it's a short term
19 and nothing else is done, the likelihood of return of
20 gonadal function is good. And in that way it is reversible
21 as if nothing happened pretty much, okay?

22 We know that in the experience of kids with
23 precocious puberty who are -- these are children who are
24 girls and boys who are five or six when they start going
25 into full-blown puberty, socially it's very difficult for

1 them to handle. It shortens their growth potential
2 significantly. So, that is the impetus for why we would
3 offer stopping that for a short period of time until --

4 DEMOCRATIC CHAIRWOMAN DELISSIO: And that is a
5 practice, sir, if I understand correctly from what I read
6 that you --

7 DR. VAN METER: Yes.

8 DEMOCRATIC CHAIRWOMAN DELISSIO: -- do within
9 your own practice?

10 DR. VAN METER: Right. And I'm actually involved
11 in --

12 DEMOCRATIC CHAIRWOMAN DELISSIO: Yes.

13 DR. VAN METER: -- clinical research with the
14 long-acting form of a puberty blocker with AbbVie
15 Pharmaceuticals --

16 DEMOCRATIC CHAIRWOMAN DELISSIO: Okay.

17 DR. VAN METER: -- to look at its effectiveness.
18 But it's indication is specifically for the very, very
19 tight criteria -- and we're talking about one in 5,000, one
20 in 10,000 kids who are treated with these medications.
21 It's a very, very small niche market and outrageously
22 expensive. But it's covered by insurance in most cases and
23 certainly in the State of Georgia Medicaid covers it for
24 kids appropriately. So, it allows us to actually pause
25 puberty on purpose but then to let it come back to its

1 natural state.

2 That's the only science we have on that, okay?
3 No one has done anything to look at whether or not when you
4 get to the age of puberty, when the body is physically
5 expecting to get ready, if you block puberty then and then
6 let it go, how much do you recover? There is no study
7 done. And that would need to be done for me to be able to
8 recommend that, you know, puberty blockers are really okay
9 because they are fully reversible. You know, let's just
10 not even talk about going on the conveyor belt because I'm
11 going to assume you're not going to be on that conveyor --
12 I would be optimistic that this is a phase where you needed
13 to sort out your thoughts, and that's the guidelines. And
14 from the Endocrine Society and from WPATH and from PES and
15 the AAP say the purpose of this is to allow the child to
16 settle and get their thoughts together and see whether or
17 not they actually are indeed satisfied with where they're
18 going or whether or not they want to go back and get back
19 to where nature intended them to go in the first place.

20 But that's not what happens. But if that were
21 the case and they could show we've studied this for 10
22 years and we've got data that shows that recovery of
23 gonadal function is, you know, 85 percent, maybe 10 percent
24 kind of iffy and maybe there's a small fraction that don't
25 come back and we can control to show that that's the risk

1 you take, that would be something that would make me look
2 differently at recommending against puberty blockers, but
3 there's no study that's been done, and there's none that
4 will be done likely. And we're just sort of explosively
5 going in a direction and using the John Money theory of
6 let's see what happens. Let's get out there and see what
7 happens. And the problem with that is that 20 years later
8 you look back and say what the hell was I thinking? I
9 mean, wait a minute, you know, look what we've created.

10 DEMOCRATIC CHAIRWOMAN DELISSIO: But we can say
11 that, sir, for any number of things. I remember when they
12 used leeches and bloodletting and even in -- when I was
13 born in the late 1950s, pregnancy was treated very -- just
14 the very natural thing of delivery. And I'm not suggesting
15 we use children for experiments at all, sir. I'm just
16 suggesting that these types of things with this particular
17 medical sector are not so much cyclical, but that's part of
18 how we evolve.

19 DR. VAN METER: Certainly.

20 DEMOCRATIC CHAIRWOMAN DELISSIO: So, I look
21 forward to hearing more in the future. I consider this my
22 first foray into this.

23 DR. VAN METER: And I really appreciate your
24 interest in the dialogue and anything we can do and you can
25 help us with to get dialogue going would be really

1 appreciated. These kids need that. They really do.

2 DEMOCRATIC CHAIRWOMAN DELISSIO: Thank you, Mr.
3 Chairman.

4 MAJORITY CHAIRMAN SCHEMEL: Thank you, Madam
5 Chair.

6 Doctor, in response to that last question you
7 were, you know, talking about no studies. I mean, in
8 medical practice do you normally experiment on human
9 subjects without knowing the outcome? You know, is that
10 commonly how new procedures or new treatment protocols, you
11 know, come about?

12 DR. VAN METER: No, it isn't. And I'll give you
13 an example of the use of human growth hormone in adults to
14 fight aging to sort of affirm the eternal youth if you will
15 using actual human growth hormone, not mockups that don't
16 really work. That is being done, you know, without any
17 control. It's just the lure of, hey, you want to stay
18 young forever, come to my antiaging clinic. And these
19 clinics are -- our view of these clinics is that they are
20 charlatans who are making a lot of money and experimenting
21 on humans. And so in the medical community we look askance
22 at those things and say I wouldn't go there. They exist.
23 I don't know how they're regulated. Perhaps some lawsuits
24 10, 20, 30 years are going to come back at those folks that
25 did this. But for right now we cannot recommend that.

1 That's not the standard of science. And so those things
2 are roundly condemned by professional societies as a rule.

3 MAJORITY CHAIRMAN SCHEMEL: So, if I hear you
4 right, you're saying that, you know, gender affirmation,
5 using puberty blockers and cross-sex hormones, you know,
6 that's done without the normal scientific study and
7 analysis? I think I'm hearing you say that. And you're
8 saying that that is unique to this, that you don't know of
9 anything at least within your medical experience where we
10 are treating large numbers of people with unanalyzed or
11 properly analyzed science?

12 DR. VAN METER: I'm not aware of any other
13 circumstance.

14 MAJORITY CHAIRMAN SCHEMEL: Okay. What age do
15 children normally go through puberty?

16 DR. VAN METER: The average age for females is to
17 start with breast development at age 10 1/2 and to sort of
18 completely mature into fertility by age 15 1/2 to 16. In
19 boys the average age is 11 1/2 for the beginning of puberty
20 and completing that sort of by age 18.

21 MAJORITY CHAIRMAN SCHEMEL: So, I presume in the
22 context of gender clinics, at least as you're familiar with
23 them, the use of puberty-blocking drugs is always pre-
24 puberty. I mean, there's no reason to give it post-
25 puberty?

1 DR. VAN METER: No, no, actually, they wait until
2 puberty starts, okay, and that makes sense. Actually, it's
3 even off label and off protocol, there's a clinic in Los
4 Angeles where they suggested giving puberty blockers extra
5 early so that puberty never even gets started. That's not
6 the general recommendation and certainly not the
7 recommendation of the guidelines. They say wait until
8 puberty starts, and at that point in time, as they move
9 into true puberty, and you need to document they're there,
10 not just a physical appearance but laboratory studies and
11 other things, and then it's at that point in time that you
12 offer that puberty blocker.

13 MAJORITY CHAIRMAN SCHEMEL: So, in gender-
14 affirmation treatment, how long would the child then
15 normally be on the puberty blocker?

16 DR. VAN METER: Probably a year or two because
17 the push then is to be able to get the opposite sex
18 hormones started in order to get the changes made that
19 would normally happen in parallel to their peer group --

20 MAJORITY CHAIRMAN SCHEMEL: Okay.

21 DR. VAN METER: -- so that the female who wishes
22 to be a male would want to go and have increased muscle
23 mass, hair growth, et cetera, et cetera that looks like the
24 age-matched males that they wish to be, okay, and likewise
25 the same thing with the females.

1 MAJORITY CHAIRMAN SCHEMEL: So, if I'm putting
2 the pieces from your testimony together and that of Dr.
3 Levine as well, you know, some will say, well, the use of
4 puberty blockers in gender-affirmation treatment, number
5 one, it's a pause to give the individual a longer period of
6 time to kind of sort out, you know, what issues they
7 believe that they may have. And then cross-sex hormones
8 would be administered later if they want to proceed.

9 Now, I'm hearing Dr. Levine say that actually
10 what it does is it sets them on a path where they start
11 with the puberty blockers and go right into cross-sex
12 hormones. So, this decision, you know, to start down this
13 path begins with a child at age 10 or 11. Does that sound
14 correct?

15 DR. VAN METER: The medical treatment side begins
16 at age 10 or 11. And it's interesting that the guidelines
17 from the Endocrine Society specifically say cross-sex
18 hormones at age 16, not before, and puberty blockers at the
19 onset. That would give you the impression then in a female
20 who starts puberty at 10 that there would be six years of
21 puberty blocking, again, much longer than is actually
22 really done in the clinics.

23 MAJORITY CHAIRMAN SCHEMEL: Sure. And your work
24 with puberty blockers and extended periods on puberty
25 blockers are for children that are younger, precocious

1 puberty --

2 DR. VAN METER: And --

3 MAJORITY CHAIRMAN SCHEMEL: -- so that would not
4 be this age cohort.

5 DR. VAN METER: And rarely do they have six years
6 of treatments. You know, the onset of puberty in kids
7 that's non-pathologic -- there are circumstances that look
8 like puberty in three-year-olds and two-year-olds, but it's
9 from a pathologic production of a hormone from a tumor or a
10 metabolic derangement, which can easily be treated not with
11 puberty blockers but just correcting that, taking the tumor
12 out or correcting the metabolic disorder by replacing other
13 hormones that kind of put things back in normal working
14 order.

15 So, true precocious puberty is really rare to be
16 seen before age five or six in females and seven or eight
17 in boys. And, therefore, you're limiting just by nature
18 the window in which you treat to about three years, maybe
19 the longest four years in cases of true precocious puberty
20 that can be treated with those puberty blockers
21 effectively.

22 MAJORITY CHAIRMAN SCHEMEL: But that still just
23 pauses precocious puberty so the child is going through
24 puberty at a time when his or her peers are. So, once
25 again putting the pieces together from Dr. Levine's

1 testimony, we say that, well, puberty blockers are just
2 being used as a pause to allow the child additional time to
3 sort this out, and Dr. Levine testifies that, yes, an
4 extended period of puberty blockers where a child is not
5 going through puberty when his or her peers are results in
6 other psychological issues, psychiatric problems, so
7 there's a pressure then -- and maybe this is just a
8 rhetorical question -- to go right to the cross-sex
9 hormone, you know, after the one year, one and a half years
10 of puberty blockers.

11 DR. VAN METER: Well, it's interesting. The
12 iteration from 2009 of the endocrine guidelines and then
13 the revision of them in 2017 specifically stated that age
14 16 still for cross-sex hormones except when there are
15 extenuating circumstances where the delay in puberty might
16 cause some social problems, which is a wide open door to
17 say, you know, jump in, you know, at the regular time of
18 puberty and what in truth is recommended by the people that
19 run the clinics that are open enough to discuss it.

20 MAJORITY CHAIRMAN SCHEMEL: So, cross-sex
21 hormones, once those are begun, that is a lifelong regimen.
22 Is that correct?

23 DR. VAN METER: It can be stopped, but what
24 happens is that if you are a biologic female and you take
25 testosterone, your body changes physically in ways that it

1 cannot be undone, the same way it would be during puberty.
2 So, my experience in meeting adult females who were trans
3 males for a period of time and then came back and returned
4 to their biologic sexual identity, their voices are down
5 here and they have sort of square jaws and they have
6 trouble feeling or looking like a female again because of
7 what they did to their bodies with the cross-sex hormones.
8 And so there are those changes that cannot be undone.

9 Certainly, we don't know about fertility. There
10 are anecdotal case reports of trans males stopping
11 testosterone therapy and being induced to ovulate because
12 they have their uterus and ovaries remain. They did not
13 have surgical excision of the vagina, the cervix, the
14 uterus, and the fallopian tubes and the ovaries. They
15 technically can become pregnant and have become pregnant in
16 a couple of, you know, celebrity cases where this has been
17 reported of trans man delivers baby. So, it clearly can
18 happen. Fertility can be made to return with, you know,
19 some significant machinations of medical treatment, but,
20 you know, it's experimental again on that, and no one
21 really knows.

22 MAJORITY CHAIRMAN SCHEMEL: Okay. So, one of the
23 things we commonly read is that, well, these are
24 reversible. Because we have to justify why we allow them
25 to occur with children who, once again, don't have agency.

1 They might express a desire to be the other sex, but they
2 are children. We don't let children make any other
3 decisions, so adults are actually making those decisions
4 and administering the treatment. So, these are decisions
5 being made on behalf of someone else for someone else. And
6 they're often justified by saying, well, that's okay
7 because they are reversible later in life. If that
8 individual, when they reach maturation, you know, desires
9 to, you know, return to their biologic sex, these are
10 reversible conditions. So, in your professional opinion,
11 what do we know about the reversibility of them?

12 DR. VAN METER: We don't know. It's not been
13 studied for us to know. We can only sort of look at
14 sporadic cases that get reported and make assumptions.

15 MAJORITY CHAIRMAN SCHEMEL: Okay. Other
16 questions? Representative Keefer.

17 REPRESENTATIVE KEEFER: I'm just going to ask an
18 obvious question that we're going back-and-forth and kind
19 of parlaying off of what Representative Schemel went on was
20 we're adults making these decisions for children and what
21 happens when we get that child and perhaps, you know, you
22 or one of your colleagues participated in, you know,
23 providing that medical service and then we have a plastic
24 surgeon involved and this child, you know, is now an adult,
25 26 years old and says what happened? You know, why in the

1 world would you ever allow me -- you know, that's a case
2 for malpractice. I mean, and then how long do they get to
3 go back to say, hey, this was -- you know, once they
4 discover that, you know, I didn't have the mental capacity
5 to really make any of those decisions or agree to any of
6 this? And what implications are there for all of us quite
7 frankly?

8 DR. VAN METER: It's a scary prospect, and I
9 think that will possibly be a catastrophic end to medical
10 careers, to hospital healthcare systems and then, worst of
11 all, for the patients that were involved and the suffering
12 that they have for their lifetime. I mean, that's above
13 all things -- I mean, the rest of that is gross
14 inconvenience and makes a dent in society, but that one
15 individual, that precious individual whose life was forever
16 ruined has been ruined, and it's been done intentionally.

17 REPRESENTATIVE KEEFER: Right. And, again, I go
18 back to the point, we're making these decisions -- this is
19 children.

20 DR. VAN METER: Yes.

21 REPRESENTATIVE KEEFER: You know, once you're 18
22 and you're making these conscious decisions for yourself,
23 that's a whole different, you know, story. We're not
24 talking about them. We're talking about --

25 DR. VAN METER: And, as an endocrinologist --

1 REPRESENTATIVE KEEFER: -- children.

2 DR. VAN METER: -- I can look at the data and say
3 I would not recommend that anybody over age 18 do this
4 without, you know, knowing fully what's going on, but under
5 no circumstances should a child beneath the age of consent
6 ever be subjected to this.

7 REPRESENTATIVE KEEFER: Right. And that informed
8 consent is another piece that's really to it because, you
9 know, I go into my pediatrician's office and I ask a lot of
10 questions. I'm one of those researchers, so he dreads when
11 I come in, but at the end of the day, you know, I'll say to
12 him would you recommend your child get this shot or would
13 you recommend this? You know, and I have the relationship
14 to trust my medical care provider, whoever that may be.
15 So, you know, that's another component here we may be
16 breaking down.

17 DR. VAN METER: Well, just the concept of assent
18 of a minor in a clinical study, when we do clinical studies
19 that involve children, which are the ones that I'm involved
20 in, there is a very specific informed consent the parent
21 signs, and it is that package insert that you are so
22 familiar with with the tiny print. And it's like a
23 mortgage contract. Do I have to really read every page of
24 this? And we literally set the parents down and give them
25 about three or four hours to digest every page of that.

1 And they sign it. Then the child is given an assent form,
2 which basically in very simple language says, for instance,
3 in the case of the puberty blockers, you went into puberty
4 too early, this is a medicine that is going to be a shot
5 that you're going to get every six months. You're going to
6 have blood tests drawn, and the purpose of this study is to
7 help us know whether or not this medication is effective
8 and safe. And you and your parents are going to discuss
9 this. And your opportunity here is to put your name down
10 on the page to say that you understand what we're talking
11 about.

12 The parents are given the consent. The kid is
13 given do you understand? And I've not had a child, you
14 know, rule the roost and say no, mom, I don't want to do
15 this. Usually, they're kind of excited if they're old
16 enough to understand before the age of 18, yes, I really
17 want to -- this is really cool. I'm part of a study. And,
18 you know, that's sort of the intrigue of getting an 11- or
19 12-year-old into something like that is that they
20 understand. I don't have the big picture from the adult
21 world, but my parents, I'm trusting in them, if they're
22 going to, you know, consent to this and I'm happy with --
23 you know, it's going to screw up spring break because I
24 have to have two visits in the middle of spring break, but
25 I'm okay with that. You know, those are the kind of

1 decisions that kids will make.

2 But they have to understand that, and they're
3 given the opportunity to voice -- ask any child, do you
4 want a blood test, and the answer is going to be no. But
5 if you get the blood test to help this particular -- and
6 you're going to be getting treated anyway, this is just
7 part of a study to see whether or not this new medication,
8 which is a cousin of the one we know works and is safe, is
9 just as good as the one that is commercially available.
10 So, that's how it works.

11 REPRESENTATIVE KEEFER: And one more question for
12 me. So, in the surgical part, what other surgeries for
13 gender-affirming surgeries do you know are being conducted
14 on children?

15 DR. VAN METER: What's called top surgery is
16 basically bilateral mastectomies on female patients down as
17 young as 13 in Los Angeles. And in the State of Oregon a
18 girl can have her breasts removed without permission of her
19 parents or knowledge of her parents once she reaches the
20 age of 14. So, this removes an anatomically healthy organ
21 that cannot be replaced.

22 Somewhat sarcastically, the doctor in Los Angeles
23 who has these girls age 13, 14, and 15 have mastectomies
24 has recommended them -- said, well, if they decide later
25 they want breasts, they can buy them, and said that in a

1 public forum, just kind of, you know, hey, a breast, you
2 can buy one and have one put in. The answer is it's not a
3 lactating organ. It doesn't function the way it's supposed
4 to. Its sensitivities are not there. It's a sham, and it
5 doesn't work. And so you're mutilating a body, taking a
6 perfectly healthy organ off because of the opinion of a
7 child who's unhappy at the time.

8 MAJORITY CHAIRMAN SCHEMEL: Representative Rapp.

9 REPRESENTATIVE RAPP: Thank you, Chairman
10 Schemel, and thank you, sir. I have a couple questions
11 that hopefully you can answer. I'm quite surprised that
12 the blocking drugs are not -- if I'm reading this
13 correctly, they are not FDA-authorized. And also if you
14 could answer for me the World Professional Association for
15 Transgender Health and you also mentioned the NIH, the
16 National Institute of Health. Does the World Professional
17 Association for Transgender Health receive U.S. tax
18 dollar --

19 DR. VAN METER: I do not know. I honestly don't.

20 REPRESENTATIVE RAPP: And the NIH --

21 DR. VAN METER: Sure.

22 REPRESENTATIVE RAPP: -- are they supporting
23 these clinics and these -- are these clinics receiving
24 grant money from NIH?

25 DR. VAN METER: The NIH has given a \$5 million

1 grant to spread over the four centers, okay. And,
2 interestingly, their caveat for this is that all we're
3 doing is an observational study of outcomes at these four
4 individual centers and what they do within their own
5 protocols. The study is not trying a protocol and unifying
6 it and controlling it and seeing the parallel outcomes.
7 It's an observation. And then that way they've kind of
8 separated themselves out from being culpable because NIH
9 isn't recommending this. We're just reviewing your data as
10 you move forward in a prospective fashion.

11 REPRESENTATIVE RAPP: Well, you know, the NIH and
12 the Administration has been in the news a lot lately. And
13 surely the NIH is aware that these blocking drugs are not
14 FDA-authorized. Is this typical in medical -- you used the
15 word experiments, so is this typical that the NIH would
16 fund other programs such as this?

17 DR. VAN METER: Well, the way the NIH works is
18 actually to design the research, so they would take a drug
19 that maybe has another indication and in a very extremely
20 controlled circumstance allow a small group of individuals,
21 enough that you could get statistical significance out of
22 the patient population, let's say in kids maybe 15 or 20
23 individuals in a control group and 15 or 20 individuals
24 matched socioeconomically, physically, mentally to be a
25 parallel group. You obviously can't do a crossover blind

1 study where -- you could, but injecting a sham medication
2 and the real medication and seeing differences as they move
3 forward is frowned on with kids' studies particularly. But
4 there is no non-treated group to compare to.

5 And the NIH running those studies and actually
6 designing those protocols looking at the specific purpose
7 of approving a drug would be a very different protocol than
8 the one that's funding these four centers, okay, because
9 they are not recommending any drug specifically. They're
10 just saying whatever you're doing at your center we want to
11 see what the outcomes are like and the four centers that
12 were kind of pioneering this.

13 REPRESENTATIVE RAPP: So, they'll be asked to
14 submit a report?

15 DR. VAN METER: Yes, that's it.

16 REPRESENTATIVE RAPP: On their findings.

17 DR. VAN METER: Yes.

18 REPRESENTATIVE RAPP: Thank you.

19 MAJORITY CHAIRMAN SCHEMEL: Good. Thank you.

20 Doctor, you said during your testimony -- I'm
21 sorry. You said during your testimony that, you know, at
22 conferences where, you know, academic research or other,
23 you know, medical information like that is shared, that you
24 find that you and other individuals within the Endocrine
25 Society or that represent an opposing point of view to the

1 gender affirmation, you know, are never invited to present.
2 Just for the rest of us who are not practitioners, is that
3 unusual? And on other medical issues, especially ones that
4 are fairly novel where, you know, the opinion of experts
5 has changed so radically in such a short period of time, is
6 there typically offers or opportunities for people with
7 contrary opinions, medical opinions to testify or to
8 present?

9 DR. VAN METER: Not on this scale. I will tell
10 you that having been practicing endocrinology for 40 years,
11 knowing the politics -- and there's politics in medicine
12 and politics in research in terms of getting funding -- I
13 remember specifically my mentor at Johns Hopkins was doing
14 a study of adrenal disorders, which look like puberty but
15 aren't, and was doing very much cutting-edge evaluation of
16 outcomes on these patients. And he submitted his study to
17 the *Journal of Clinical Endocrinology and Metabolism*, which
18 is sort of the flagship journal of the Endocrine Society.
19 It was held back while the editor of the *Journal of*
20 *Clinical Endocrinology*, who was a pediatric endocrinologist
21 from Cornell, waited and produced her study and published
22 it instead of his study. And it was the same data, but it
23 got her name recognized as the person who sort of published
24 this first.

25 So, that kind of small stuff goes on and has gone

1 on in the academic world of dog eat dog and, you know,
2 trying to get your CV and your worldwide acclaim for your
3 research recognized, but nothing on the scale like this
4 where no voices -- we finally from our concern side had a
5 letter to the editor accepted to critique the
6 recommendation for puberty blockers in children to the
7 *Journal of Clinical Endocrinology and Metabolism*. We wrote
8 that letter. It took them about 15 months to approve it
9 and had very strict guidelines. We could only have so many
10 references. There can only be four authors. But it did
11 get published. It was the first time in a general
12 mainstream medical journal that any contrary opinion was
13 ever brought up. Almost immediately, the entire committee
14 that wrote the guidelines came back with a rebuttal, which
15 wasn't a very valid rebuttal but it was their rebuttal, and
16 that was published as a counter to our letter to the
17 editor.

18 But that's the landscape. You know, we are
19 literally suppressed. And in academia there are people who
20 are literally -- confide in me they cannot come out and
21 state their opinion for fear that their jobs are in
22 jeopardy, that they will be removed from their academic
23 position or they will never be published again.

24 MAJORITY CHAIRMAN SCHEMEL: So, in your opinion
25 based on your experience is the voice of people who are

1 critics of this one treatment theory silenced?

2 DR. VAN METER: Yes.

3 MAJORITY CHAIRMAN SCHEMEL: Okay. Thank you.

4 With that, any further questions?

5 Representative Zimmerman.

6 REPRESENTATIVE ZIMMERMAN: Yes. Thanks. This is
7 very interesting information, and I appreciate your time
8 and informing us.

9 So, just to continue the dialogue a little bit
10 further, when there's puberty blockers, at one point then
11 does surgery generally happen? And is that outcome
12 generally that individual is going to be sterile? Is that
13 correct?

14 DR. VAN METER: The recommendations from the
15 professional society is that surgery not be done until the
16 age of consent. There are some softening of the guidelines
17 saying under circumstances where there is emotional duress
18 that top surgery so-called in females could be done at a
19 younger age, perhaps age 16. And those are sort of soft
20 opinion pieces. They're not actually in the guidelines
21 yet. But in practice I don't think that many centers in
22 the United States are doing surgical procedures, the bottom
23 surgery so-called in kids before their 18th birthday. I
24 think they're waiting for the age of consent for that.

25 The outcomes of the surgery, just to think of

1 what you're doing anatomically to try to create, taking a
2 breast off the chest is done surgically for breast cancer.
3 It's done for adolescent males who have incredible breast
4 tissue development during their adolescence that doesn't
5 resolve. It is a very delicate operation done to create a
6 totally normal appearance of a chest wall without a breast
7 is done by a plastic surgeon to retain the innervation and
8 the blood supply to the nipple, the areola so that it
9 doesn't slough off and leave a scar. The surgical
10 incisions are carefully made to be able to contour what
11 looks like the natural curve of the nipple on the breast,
12 and the patient has that tissue removed. That can be done,
13 and it's done in kids and it's known to be, when done well,
14 have a reasonable outcome.

15 What we have seen openly on the internet are the
16 disaster cases where there is really incredible scarring
17 and sort of disruption of the anterior chest wall that
18 looks nothing like a normal chest in these patients. And
19 that could be that the surgeon that did that was not the
20 appropriate surgeon and didn't use appropriate techniques,
21 but it's still an outcome that can happen if not done
22 perfectly. That's the top surgery. Again, you can't put
23 that breast back. That's not reconstructable in any way.
24 You can do a look-alike. You can create a breast and a
25 nipple out of skin tissue and artfully put that back to

1 appear to be a breast, but it's not a functioning breast.

2 In terms of removing the genitalia in a male,
3 taking off the penis and using the skin of the penis as a
4 sort of inside lining of a hole that's created in the area
5 we call the perineum, which is above the rectum and below
6 where the penis was, you create a channel in that tissue
7 that is constantly compacted by the anatomy of the male
8 pelvis, the bones that exist there, and you put in there
9 the skin. It's skin tissue. It's not a mucous membrane.
10 Mucous membranes have moisture and secretions to them that
11 lubricate and that protect from infection. That cannot be
12 re-created in the sense of a hormone-secreting surface the
13 way it would before a vagina.

14 So, it's essentially a place to try in which to
15 have intercourse which needs constant attention with
16 dilation and it often malfunctions. And in the case of
17 using intestinal tissue to create that lining ruptures and
18 causes infection and damages the urinary tract. The exit
19 from the bladder is disrupted so that you have urinary
20 tract infections and whatnot.

21 So, the surgical procedures are attempts to
22 create nature that are at this point in time completely
23 impossible to do. It might look like it, but it doesn't
24 work the way that tissue was.

25 The fake-created penises that are sewn on the

1 perineum of biological females have no erectile function.
2 They have no secretion. They have no innervation. They
3 are essentially just a limp piece of tissue that hangs down
4 and looks like a penis but has no function of a penis. You
5 can create a sack of tissue and put in two artificial
6 implants that look like testicles so that that hangs below
7 that penis, but those testicles have no function, and the
8 penis has no function. So, you are really doing a
9 disservice to the patient even insinuating that their
10 sexual anatomy will have any physiologic function. It does
11 not.

12 REPRESENTATIVE ZIMMERMAN: Wow. So, just kind of
13 a follow-up, are there any studies kind of on the horizon
14 at all on any of this?

15 DR. VAN METER: Well, the problem in trying to do
16 studies is the ethics of the study. So, those of us who
17 know from, again, the disease states where hormones are
18 missing or are excessive in otherwise healthy humans, it
19 would be considered unethical to do a study where you just,
20 you know, took a group of 20 kids and said we'll see you in
21 20 years and let's see what happens. I mean, I can't
22 envision that any Institutional Review Board or Committee
23 for the Protection of Human Subjects would allow that to
24 proceed.

25 REPRESENTATIVE ZIMMERMAN: Okay. Thank you.

1 MAJORITY CHAIRMAN SCHEMEL: Very good. Thank
2 you, Doctor. I appreciate your testimony.

3 DR. VAN METER: Thank you for having me.

4 MAJORITY CHAIRMAN SCHEMEL: Chairman DeLissio, if
5 you have any brief closing remarks?

6 DEMOCRATIC CHAIRWOMAN DELISSIO: Very briefly.
7 This has been an interesting opportunity this morning to
8 hear from folks. And by your own admission this is kind of
9 a minority viewpoint if you look at the profession. So, I
10 think hearing from that other viewpoint -- and, you know,
11 my commitment is really to work toward that opportunity for
12 dialogue. I think that is important, and that should
13 always be part of it to do that.

14 And I just want to, for the wider audience that
15 is out there, that those who are transgender, experiencing
16 these issues that, you know, certainly my commitment and I
17 believe that of my colleagues is to proceed with compassion
18 in an absolutely nonjudgmental manner looking for the best
19 possible care and treatment and assuring that care and
20 treatment is available to all citizens in the Commonwealth
21 of Pennsylvania. So, thank you for hosting this.

22 MAJORITY CHAIRMAN SCHEMEL: Thank you, Madam
23 Chair. And thank all of you for being very patient for a
24 long and cerebral hearing. We appreciate that very much.
25 Thank you to you, Dr. Van Meter, and Dr. Levine.

1 And with that, we conclude this hearing.

2

3 (The hearing concluded at 12:51 p.m.)

1 I hereby certify that the foregoing proceedings
2 are a true and accurate transcription produced from audio
3 on the said proceedings and that this is a correct
4 transcript of the same.

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