

IN THE COURT OF COMMON PLEAS
FOR FRANKLIN COUNTY, OHIO

MADELINE MOE, et al.

Case No. _____

Plaintiffs,

Judge _____

v.

DAVID YOST, et al.

Defendants.

EXPERT AFFIDAVIT OF
ARMAND H. MATHENY AN TOMM MARIA, MD, PhD, FAAP, HEC-C



Expert Affidavit of Dr Antommara.pdf

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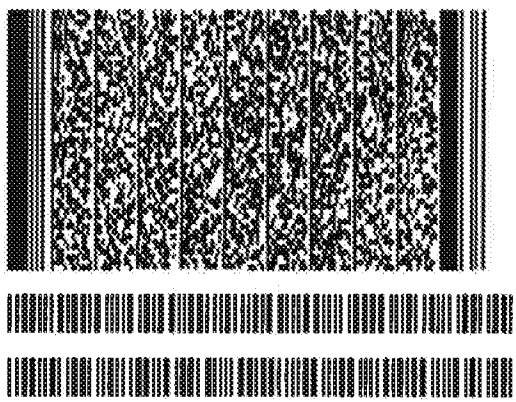
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E-Signature 1: Armand H. Matheny Antommara (AHA)
March 25, 2024 11:50:07 -5:00 [4ED8C1867387] [205.142.197.104]
armand.antommara@gmail.com (Principal) (ID Verified)

E-Signature Notary: Theresa M Sabo (TMS)
March 25, 2024 11:50:07 -5:00 [B17D50CFF4FD] [85.60.211.97]
less.sabo@gmail.com
I, Theresa M Sabo, did witness the participants named above electronically sign this document.



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INTRODUCTION

I, Armand H. Matheny Antommaria, hereby declare and state as follows:

1. I have been retained by counsel for Plaintiffs as an expert in connection with the above-captioned litigation. I am over 18 years old, of sound mind, and in all respects competent to testify.

2. I have actual knowledge of the matters stated herein.

3. In preparing this affidavit, I reviewed Ohio House Bill No. 68 (hereafter "the Ban"). In addition to this legislation and the materials cited herein, I have also relied on my years of research and other experience, as set out in my curriculum vitae (CV) (Exhibit A), in forming my opinions. The materials I have relied upon in preparing this affidavit are the same types of materials that experts in my fields of study regularly rely upon when forming opinions on subjects. I may wish to supplement these opinions or the bases for them as a result of new scientific research or publications or in response to statements and issues that may arise in my areas of expertise.

OVERVIEW

4. I am a pediatrician and bioethicist with extensive clinical and research experience. I am the author of 43 peer-reviewed articles, which have been published in high-impact journals including the *Journal of the American Medical Association* and *Annals of Internal Medicine*, and I direct the Ethics Center at Cincinnati Children's Hospital Medical Center. I have reviewed the Ban and submit this declaration to explain my disagreement with and concerns about its conclusions.

5. The Ban, among other restrictions, prohibits physicians from prescribing cross-sex hormones or puberty-blocking drugs to minor individuals for the purpose of "assisting the minor individual with gender transition," with an exception allowing physicians to continue prescribing these treatments in some cases. I will refer to cross-sex hormones as sex hormones or gender-

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affirming hormones, puberty-blocking drugs as gonadotropin releasing hormone (GnRH) analogs, these treatments collectively as gender-affirming medical care, and the individuals to whom they are prescribed as minors or adolescents. The Ban prohibits physicians from providing this care under the threat of professional administrative and civil penalties, and enforcement by the Attorney General.

6. There is no sound medical or ethical basis for such a ban. Gender-affirming medical care is evidence-based and the evidence for it is comparable to the evidence for many other treatments in pediatrics. The potential benefits and risks of gender-affirming medical care are comparable to those of other forms of medical treatment treatment for which parents or legal guardians are capable of providing informed consent and minor adolescents are capable of providing assent.

7. As a result, the Ban puts clinicians in the untenable position of either following state law and violating their ethical duties to promote their patients' well-being and protect them from harm or facing professional administrative and civil penalties. Either outcome results in harm to patients.

BACKGROUND AND QUALIFICATIONS

8. I am the Director of the Ethics Center, the Lee Ault Carter Chair of Pediatric Ethics, and an Attending Physician in the Division of Hospital Medicine at Cincinnati Children's Hospital Medical Center ("Cincinnati Children's"). I am also a Professor in the Departments of Pediatrics and Surgery at the University of Cincinnati College of Medicine.

9. I received my medical degree from Washington University School of Medicine in St. Louis, Missouri in 2000. I received my PhD in Religious Ethics from The University of Chicago Divinity School in 2000. I completed my pediatrics residency at the University of Utah in 2003.

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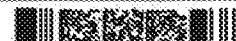
10. I have been licensed to practice medicine since 2001 and am currently licensed to practice medicine in Ohio. I have been Board Certified in General Pediatrics since 2004 and in Pediatric Hospital Medicine since the inception of this certification in 2019. I have been certified as a Healthcare Ethics Consultant since the inception of this certification in 2019.

11. I have extensive experience as a pediatrician and as a bioethicist. I have been in clinical practice since 2003 and 30% of my current effort is dedicated to caring for hospitalized patients. I was Chair of the Ethics Committee at Primary Children's Medical Center in Salt Lake City, Utah from 2005 to 2012 and have been Director of the Ethics Center at Cincinnati Children's since 2012. I regularly consult on the care of patients in the Transgender Health Clinic at Cincinnati Children's and participate in the Clinic's monthly multidisciplinary team meetings. I remain current with the medical and bioethics literature regarding the treatment of minors with gender dysphoria. I am also part of Cincinnati Children's team that cares for patients born with differences or disorders of sex development (DSD), also known as intersex traits. I chair Cincinnati Children's Fetal Care Center's Oversight Committee, which provides the Center recommendations on the use of innovative treatments and experimental interventions.

12. I am a member of the American Academy of Pediatrics (AAP), the American Society for Bioethics and Humanities (ASBH), the Association of Bioethics Program Directors, and the Society for Pediatric Research. I was a member of the AAP Committee on Bioethics from 2005 to 2011. I have also served as a member of ASBH's Clinical Ethics Consultation Affairs Committee from 2009 to 2014 and currently serve on its Healthcare Ethics Consultant Certification Commission.

13. I am the author of 43 peer-reviewed journal articles, 11 non-peer-reviewed journal articles, 6 book chapters, and 28 commentaries. My peer-reviewed journal articles have been

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published in high-impact journals, including the *Journal of the American Medical Association* and *Annals of Internal Medicine*. I am also an author of 17 policy statements and technical reports, including 4 as lead author, by the AAP.

14. I am a member of *Pediatrics'* Executive Editorial Board and its Associate Editor for Ethics Rounds. I am an active peer reviewer for many medical journals, including the *American Journal of Bioethics* and the *Journal of Pediatrics*. I am chair of the National Library of Medicine's Literature Selection Technical Review Committee. I also review abstracts for meetings of professional organizations, including the Pediatric Academic Societies and ASBH. I was previously a member of the editorial boards of the *Journal of Clinical Ethics* and the *Journal of Medical Humanities*.

15. I have previously testified at deposition and trial in *Brandt et al. v. Griffin et al.*, United States District Court, Eastern District of Arkansas, Case No. 4:21-CV-00450; at deposition and trial in *Dekker et al. v. Weida et al.*, United States District Court, Northern District of Florida, Case No. 4:22-cv-00325; in the preliminary injunction phase and at deposition in *Boe et al. v. Marshall et al.*, United States District Court, Middle District of Alabama, Case No. 22-cv-00184; and at deposition in *Zayre-Brown v. North Carolina Department of Public Safety et al.*, United States District Court, Western District of North Carolina, Case No. 3:22-CV-01910. I have also previously testified in the preliminary injunction phase in *Doe et al. v. Abbott et al.*, District Court of Travis County, Texas, Case No. D-1-GN-22-000977. The cases in which I have authored reports but have not testified are listed in my CV (Exhibit A). I am being compensated at a rate of \$400 per hour for preparation of expert declarations and reports, and for time spent preparing for or giving deposition or trial testimony. My compensation does not depend on the outcome of this litigation, the opinions I express, or the testimony I provide.

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THE TREATMENT OF GENDER DYSPHORIA IS SUPPORTED BY EVIDENCE COMPARABLE TO THE EVIDENCE FOR MANY OTHER MEDICAL TREATMENTS

Clinical Practice Guidelines

16. Medical professional organizations develop clinical practice guidelines to provide clinicians with helpful, evidence-based recommendations and improve patient care and outcomes. Clinical practice guidelines are developed using systematic processes to select and review scientific evidence. Guidelines typically rate the quality of the evidence and grade the strength of recommendations.¹ One widely used method of grading the quality of the evidence and the strength of recommendations is the Grading of Recommendations Assessment, Development, and Evaluation (GRADE) system.²

17. Clinical practice has different goals and methods from research or experimentation. Clinical practice’s goal is to benefit individual patients and its method is individualized decision-making. Research’s goal is to contribute to generalizable knowledge and research is conducted using formal protocols that describe its objectives and procedures.³ For example, a research study may have restrictive inclusion and exclusion criteria for participants in order to increase the investigators’ ability to draw scientifically valid conclusions. A clinician may, however, recommend a treatment to a patient who would not have been eligible for the study because the clinician believes the treatment will benefit the patient. The clinician will subsequently make

¹ American Academy of Pediatrics Steering Committee on Quality Improvement and Management. Classifying recommendations for clinical practice guidelines. *Pediatrics*. 2004;114(3):874-877.

² Atkins D, Best D, Briss PA, et al. Grading quality of evidence and strength of recommendations. *BMJ*. 2004;328(7454):1490.

³ National Commission for the Protection of Human Subjects of Biomedical and Behavioral Research. *The Belmont Report: Ethical Principles and Guidelines for the Protection of Human Subjects of Research*. U.S. Department of Health and Human Services; 1978.

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recommendations about whether to modify or discontinue the treatment based on the patient's response to it.

18. GRADE states, "In the context of making recommendations, the quality ratings reflect the extent of our confidence that the estimates of an effect are adequate to support a particular decision or recommendation."⁴ Quality of evidence is based on several factors including study design, risk of bias, consistency, and directness. GRADE distinguishes four levels of evidence: "high," "moderate," "low," and "very-low." These levels are relative to one another and "low" does not necessarily mean poor or inadequate. As discussed below, a recommendation in a clinical practice guideline may be based on "low" or "very low" quality evidence, not just "high" or "moderate" quality evidence.⁵

19. With respect to study design, randomized trials generally provide "high" quality evidence.⁶ In a randomized trial, participants are randomly assigned to a treatment or a comparison group. The major benefit of a randomized trial is that it decreases the likelihood that any differences in the outcomes between the groups is the result of baseline differences between the groups rather than the result of the intervention.⁷

20. By comparison, observational studies generally constitute "low" quality evidence.⁸ Observational studies include cross-sectional and longitudinal studies. In cross-sectional studies,

⁴ Balshem H, Helfand M, Schünemann HJ, et al. GRADE guidelines: 3. Rating the quality of evidence. *J Clin Epidemiol*. 2011;64(4):403.

⁵ Balshem H, Helfand M, Schünemann HJ, et al. GRADE guidelines: 3. Rating the quality of evidence. *J Clin Epidemiol*. 2011;64(4):401-406.

⁶ Balshem H, Helfand M, Schünemann HJ, et al. GRADE guidelines: 3. Rating the quality of evidence. *J Clin Epidemiol*. 2011;64(4):401-406.

⁷ Browner WS, Newman TB, Cummings SR, et al. *Designing Clinical Research*. 5th ed. Wolters Kluwer; 2022.

⁸ Balshem H, Helfand M, Schünemann HJ, et al. GRADE guidelines: 3. Rating the quality of evidence. *J Clin Epidemiol*. 2011;64(4):401-406.

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investigators collect data at a single point in time. A cross-sectional design permits investigators to examine potential associations between factors, but it cannot prove one factor caused the other. An example of a cross-sectional study related to gender-affirming medical care is Jack L. Turban and colleagues' analysis of data from the 2015 United States (US) Transgender Survey. The survey asked transgender adults, who were recruited through community outreach, about their demographics, past gender-affirming medical care, family support, and mental health outcomes. The investigators found that those who received pubertal suppression had lower odds of lifetime suicidal ideation compared to those who wanted treatment with pubertal suppression but did not receive it.⁹ In longitudinal studies, researchers follow individuals over time, making continuous or repeated measures.¹⁰ Examples of longitudinal studies include the studies of the associations between gender-affirming medical care and psychological outcomes discussed below.¹¹

21. The labels "high" and "low" quality evidence can be misleading if the latter is used in the colloquial sense of poor or inadequate. While randomized controlled trials are described in the medical literature as "high" quality evidence and observational studies as "low" quality evidence, randomized controlled trials may not be feasible or ethical, may have intrinsic methodological limitations, or may be unavailable in some contexts. A particular quality of

⁹ Turban JL, King D, Carswell JM, Keuroghlian AS. Pubertal suppression for transgender youth and risk of suicidal ideation. *Pediatrics*. 2020;145(2):e20191725.

¹⁰ Browner WS, Newman TB, Cummings SR, et al. *Designing Clinical Research*. 5th ed. Wolters Kluwer; 2022.

¹¹ See, for example, de Vries AL, Steensma TD, Doreleijers TA, Cohen-Kettenis PT. Puberty suppression in adolescents with gender identity disorder: A prospective follow-up study. *J Sex Med*. 2011;8(8):2276-2283.

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evidence as specified by the GRADE system does not necessarily entail a particular strength of recommendation; “low” quality evidence can be sufficient to justify strong recommendations.¹²

22. At times, it may be unethical to conduct randomized trials. For randomized trials to be ethical, clinical equipoise must exist; there must be uncertainty about whether the efficacy of the intervention or the control is greater. Otherwise, it would be unethical to knowingly expose trial participants to an inferior intervention or control. Trials must also be feasible; it would also be unethical to expose individuals to the risks of trial participation without the benefit of the trial generating generalizable knowledge. A randomized trial that is unlikely to find enough people to participate because they believe they might be randomized to an inferior intervention would be unethical because it could not produce generalizable knowledge due to an inadequate sample size.¹³

23. Clinical research focusing on children is less likely to use randomized trials than is clinical research for adults. Potential reasons for this disparity include the low prevalence of childhood disease, small market share for therapeutic agents in children, low level of National Institutes of Health funding, and difficulty enrolling children in research.¹⁴

24. The process for assessing the quality of the evidence is separate and distinct from the process for grading the strength of recommendations based on this evidence.¹⁵ When making

¹² Balshem H, Helfand M, Schünemann HJ, et al. GRADE guidelines: 3. Rating the quality of evidence. *J Clin Epidemiol*. 2011;64(4):401-406; Swiglo BA, Murad MH, Schünemann HJ, et al. A case for clarity, consistency, and helpfulness: State-of-the-art clinical practice guidelines in endocrinology using the Grading of Recommendations Assessment, Development, and Evaluation system. *J Clin Endocrinol Metab*. 2008;93(3):666-673.

¹³ Emanuel EJ, Wendler D, Grady C. What makes clinical research ethical? *JAMA*. 2000;283(20):2701-2711.

¹⁴ Martinez-Castaldi C, Silverstein M, Baucher H. Child versus adult research: The gap in high quality study design. *Pediatrics*. 2008;122(1):52-57.

¹⁵ Balshem H, Helfand M, Schünemann HJ, et al. GRADE guidelines: 3. Rating the quality of evidence. *J Clin Epidemiol*. 2011;64(4):401-406.

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recommendations, the authors of guidelines consider a variety of factors; the quality of the evidence is only one factor considered in making recommendations. Other considerations include the balance between desirable and undesirable outcomes, confidence and variability in patients' values and preferences, and resource use.¹⁶ The GRADE system distinguishes "strong" and "weak" recommendations; if the authors are highly confident in the balance between desirable and undesirable consequences, they make a "strong" recommendation and, if they are less confident, a "weak" recommendation.¹⁷ The larger the differences between the desirable and undesirable consequences and the smaller the variability in patient values and preferences, the more likely a "strong" recommendation is warranted. "Low" quality evidence may be sufficient to make a "strong" recommendation.¹⁸

25. Recommendations for pediatric care made by professional associations in clinical practice guidelines are seldom based on well-designed and conducted randomized controlled trials due to their rarity. Instead, recommendations are frequently based on observational studies or, if such studies are unavailable, expert opinion. The medical use of the term "expert opinion" in this context refers to the consensus of experts when studies are not available.

26. For example, of the 130 recommendations in the American Heart Association's (AHA's) guideline for Pediatric Basic and Advanced Life Support, only 1 (0.8%) is based on "high-quality evidence from more than 1 [randomized clinical trial]" and 3 (2.3%) on "moderate-

¹⁶ Andrews JC, Schünemann HJ, Oxman AD, et al. GRADE guidelines: 15. Going from evidence to recommendation-determinants of a recommendation's direction and strength. *J Clin Epidemiol.* 2013;66(7):726-735.

¹⁷ Andrews J, Guyatt G, Oxman AD, et al. GRADE guidelines: 14. Going from evidence to recommendations: The significance and presentation of recommendations. *J Clin Epidemiol.* 2013;66(7):719-725.

¹⁸ Andrews JC, Schünemann HJ, Oxman AD, et al. GRADE guidelines: 15. Going from evidence to recommendation-determinants of a recommendation's direction and strength. *J Clin Epidemiol.* 2013;66(7):726-735.



quality evidence from 1 or more [randomized clinical trials].” The remainder of the recommendations were based on lower quality evidence. Among its 57 “strong” recommendations (both Class 1 and Class 3 Harm), 48 (84%) are based on “limited data” or “expert opinion.”¹⁹ Table 1 (Exhibit B).

Clinical Practice Guidelines for Gender-Affirming Medical Care for Minors

27. Gender-affirming medical care is not experimental in either the colloquial or the technical sense. The level of evidence supporting clinical practice guidelines recommendations regarding gender-affirming medical care for adolescents is comparable to the level of evidence supporting many other pediatric medical treatments.

28. Gender-affirming care for minors is not experimental in the colloquial sense of new, novel, or unproven. The first reference to the use of GnRH analogs for the treatment of gender dysphoria in the medical literature was in 1998, over 25 years ago.²⁰ Prospective observational trials of GnRH analogs began recruiting participants in 2000.²¹ Evidence for this medical care will be discussed in greater detail below. Gender-affirming medical care is also not experimental in the

¹⁹ Topjian AA, Raymond TT, Atkins D, et al. Part 4: Pediatric basic and advanced life support: 2020 American Heart Association guidelines for cardiopulmonary resuscitation and emergency cardiovascular care. *Circulation*. 2020;142(16 suppl 2):S469-S523. These clinical practice guidelines use different terminology than the GRADE approach for describing the quality of the evidence and the strength of recommendations.

²⁰ Cohen-Kettenis PT, van Goozen SH. Pubertal delay as an aid in diagnosis and treatment of a transsexual adolescent. *Eur Child Adolesc Psychiatry*. 1998;7(4):246-248. See also Gooren L, Delemarre-van de Waal H. The feasibility of endocrine interventions in juvenile transsexuals. *J Psychol Human Sex*. 1996;8(4):69-74.

²¹ de Vries AL, Steensma TD, Doreleijers TA, Cohen-Kettenis PT. Puberty suppression in adolescents with gender identity disorder: A prospective follow-up study. *J Sex Med*. 2011;8(8):2276-2283.

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technical sense; it is intended to benefit individual patients and is modified based on individual patients' responses.²²

29. The Endocrine Society, an international medical organization of over 18,000 endocrinology researchers and clinicians, has published a clinical practice guideline for the treatment of gender-dysphoric/gender-incongruent persons, including pubertal suppression, sex hormone treatment, and surgery for gender confirmation.²³ Gender dysphoria is a medical diagnosis contained in the American Psychiatric Association's (APA's) *Diagnostic and Statistical Manual of Mental Disorders*. It is "a marked incongruence between one's experienced/expressed gender and their assigned gender" which is "associated with clinically significant distress or impairment in social, occupational, or other important areas of functioning."²⁴ Gender-affirming medical care is also recommended by the World Professional Association for Transgender Health's (WPATH's) Standards of Care for the Health of Transgender and Gender Diverse People which is currently in its 8th version.²⁵ The treatments outlined in these guidelines are also endorsed by other medical professional associations including the American Academy of Family

²² National Commission for the Protection of Human Subjects of Biomedical and Behavioral Research. *The Belmont Report: Ethical Principles and Guidelines for the Protection of Human Subjects of Research*. U.S. Department of Health and Human Services; 1978.

²³ Hembree WC, Cohen-Kettenis PT, Gooren L, et al. Endocrine treatment of gender-dysphoric/gender-incongruent persons: An Endocrine Society clinical practice guideline. *J Clin Endocrinol Metab*. 2017;102(11):3869-3903.

²⁴ American Psychiatric Association. Gender Dysphoria. In: *Diagnostic and Statistical Manual of Mental Disorders*. 5th ed., text rev. American Psychiatric Publishing; 2022.

²⁵ Coleman E, Radix AE, Bouman WP, et al. Standards of care for the health of transgender and gender diverse people, version 8. *Int J Transgend Health*. 2022;23(Suppl 1):S1-S259.

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Physicians,²⁶ the AAP,²⁷ the American College of Obstetricians and Gynecologists,²⁸ the American Medical Association,²⁹ the APA,³⁰ the American Psychological Association,³¹ and the Pediatric Endocrine Society.³²

30. The Endocrine Society clinical practice guideline includes 28 recommendations: 3 (11%) are based on “moderate” and 19 (68%) are based on “low” or “very low” quality evidence.

²⁶ American Academy of Family Physicians. Care for the transgender and gender nonbinary patient. December 2023. Accessed February 12, 2024. Available at <https://www.aafp.org/about/policies/all/transgender-nonbinary.html#:~:text=The%20American%20Academy%20of%20Family,patients%2C%20including%20children%20and%20adolescents.>

²⁷ Rafferty J, Committee on Psychosocial Aspects of Child and Family Health, Committee on Adolescence, Section on Lesbian, Gay, Bisexual, and Transgender Health and Wellness. Ensuring comprehensive care and support for transgender and gender-diverse children and adolescents. *Pediatrics*. 2018;142(4):e20182162.

²⁸ American College of Obstetricians and Gynecologists. ACOG Committee Opinion Number 823: Health care for transgender and gender diverse individuals. March 2021. Accessed February 12, 2024. Available at <https://www.acog.org/clinical/clinical-guidance/committee-opinion/articles/2021/03/health-care-for-transgender-and-gender-diverse-individuals/>; American College of Obstetricians and Gynecologists’ Committee on Gynecologic Practice and Committee on Health Care for Underserved Women. Health care for transgender and gender diverse individuals: ACOG Committee Opinion, Number 823. *Obstet Gynecol*. 2021;137(3):e75-e88.

²⁹ American Medical Association. Removing financial barriers to care for transgender patients H-185.950. 2022. Accessed February 12, 2024. Available at <https://policysearch.ama-assn.org/policyfinder/detail/H-185.950?uri=%2FAMADoc%2FHOD.xml-0-1128.xml>; Madara JL. Letter to Mr. Bill McBride. April 26, 2021. Accessed February 12, 2024. Available at <https://searchlf.ama-assn.org/letter/documentDownload?uri=%2Funstructured%2Fbinary%2Fletter%2FLETTERS%2F2021-4-26-Bill-McBride-opposing-anti-trans-bills-Final.pdf>.

³⁰ American Psychiatric Association. Position statement on treatment of transgender (trans) and gender diverse youth. July 2020. Accessed February 12, 2024. Available at <https://www.psychiatry.org/File%20Library/About-APA/Organization-Documents-Policies/Policies/Position-Transgender-Gender-Diverse-Youth.pdf>.

³¹ American Psychological Association. Transgender, gender identity, and gender expression non-discrimination. August 2008. Accessed February 12, 2024. Available at <https://www.apa.org/about/policy/transgender.pdf>.

³² Endocrine Society and Pediatric Endocrine Society. Transgender health: Position statement. December 2020. Accessed February 12, 2024. Available at https://www.endocrine.org/-/media/endocrine/files/advocacy/position-statement/position-statement-transgender-health_pes.pdf.

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The remaining 6 (21%) recommendations are Ungraded Good Practice Statements.³³ Table 2 (Exhibit C).

31. The quality of the evidence supporting these recommendations is similar to the quality of the evidence supporting the recommendations in the AHA clinical practice guideline described above and in other Endocrine Society guidelines for the pediatric population. For example, none of the Endocrine Society’s 84 recommendations in its two other guidelines that focus on the pediatric population guidelines on pediatric obesity and congenital adrenal hyperplasia is based on “high” quality evidence. Twenty-four (29%) of the recommendations are based on “moderate,” and 49 (58%) on “low” or “very low” quality evidence. The remaining recommendations (11, 13%) are Ungraded Good Practice Statements.³⁴ Table 2 (Exhibit C).

32. With respect to GnRH analogs, the Endocrine Society specifically “suggest[s] that adolescents who meet diagnostic criteria for [gender dysphoria]/gender incongruence, fulfill criteria for treatment, . . . and are requesting treatment should initially undergo treatment to suppress pubertal development.”³⁵ The evidence for this recommendation includes a longitudinal study of a group of 70 transgender adolescents who were evaluated using objective measures prior to both pubertal suppression and sex hormone treatment. The mean length of time between the start of pubertal suppression and sex hormone treatment was 1.88 years and ranged from 0.42 to

³³ Hembree WC, Cohen-Kettenis PT, Gooren L, et al. Endocrine treatment of gender-dysphoric/gender-incongruent persons: An Endocrine Society clinical practice guideline. *J Clin Endocrinol Metab.* 2017;102(11):3869-3903.

³⁴ Speiser PW, Arlt W, Auchus RJ, et al. Congenital adrenal hyperplasia due to steroid 21-hydroxylase deficiency: An Endocrine Society clinical practice guideline. *J Clin Endocrinol Metab.* 2018;103(11):4043-4088; Styne DM, Arslanian SA, Connor EL, et al. Pediatric obesity-assessment, treatment, and prevention: An Endocrine Society clinical practice guideline. *J Clin Endocrinol Metab.* 2017;102(3):709-757.

³⁵ Hembree WC, Cohen-Kettenis PT, Gooren L, et al. Endocrine treatment of gender-dysphoric/gender-incongruent persons: An Endocrine Society clinical practice guideline. *J Clin Endocrinol Metab.* 2017;102(11):3880.

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5.06 years. The study showed statistically significant decreases in behavioral and emotional problems and depressive symptoms, and increases in general functioning.³⁶

33. This is the same level of evidence as supports the use of GnRH analogs for the treatment of central precocious puberty which the Ban permits. Central precocious puberty is the premature initiation of puberty, before 8 years of age in people assigned female at birth and before 9 in people assigned male, by the central nervous system. The potential negative effects of precocious puberty include impairment of final adult height as well as antisocial behavior and lower academic achievement. There are no randomized trials evaluating the adult height of treated and untreated individuals. Most studies are observational and compare pretreatment predicted final height with actual final height. These studies have additional limitations including small sample sizes. This “low” quality evidence nonetheless is sufficient to support the use of GnRH analogs as treatment for central precocious puberty.³⁷ The Ban therefore subjects the use of GnRH analogs to a double standard. There are no randomized clinical trials for the use of GnRH analogs to treat precocious puberty or gender dysphoria, but the evidence is deemed sufficient for the former but not the latter.

34. The evidence supporting the guideline’s recommendations regarding gender-affirming hormone treatment in adolescents include Annelou L. C. de Vries and colleagues’ longer-term follow-up of individuals after pubertal suppression through sex hormone and gender-affirming surgical treatment. Participants’ mean age at their initial assessment was 13.6 years and

³⁶ de Vries AL, Steensma TD, Doreleijers TA, Cohen-Kettenis PT. Puberty suppression in adolescents with gender identity disorder: A prospective follow-up study. *J Sex Med.* 2011;8(8):2276-2283.

³⁷ Mul D, Hughes IA. The use of GnRH agonists in precocious puberty. *Eur J Endocrinol.* 2008;159(Suppl 1):S3-S8.

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thereof, over time. This might bias their perception of the outcomes and lower the rating of the study's quality.⁴⁰

OFF-LABEL USE DOES NOT SUPPORT A BAN

37. The fact that GnRH analog and gender-affirming hormone treatment are not approved by the US Food and Drug Administration (FDA) for the treatment of gender dysphoria does not support a ban. Off-label use of FDA-approved medications is legal, common, and often evidence-based. FDA approval is not required for each and every use of a medication. Once the FDA has approved a medication for one indication,⁴¹ thereby agreeing that it is safe (i.e., its benefits outweigh its potential risks) and effective for this intended use, as is the case with the medications at issue here, prescribers are generally free to prescribe it for other indications.⁴² The AAP Committee on Drugs states, “[i]t is important to note that the term ‘off-label’ does not imply an improper, illegal, contraindicated, or investigational use” and “[t]he administration of an approved drug for a use that is not approved by the FDA is not considered research and does not

⁴⁰ Browner WS, Newman TB, Cummings SR, et al. *Designing Clinical Research*. 5th ed. Wolters Kluwer; 2022; Atkins D, Best D, Briss PA, et al. Grading quality of evidence and strength of recommendations. *BMJ*. 2004;328(7454):1490.

⁴¹ According to the FDA, an indication includes several factors: the particular disease or condition or the manifestation or symptoms of the disease or condition for which the drug is approved; whether the drug is approved for treatment, prevention, mitigation, cure, or diagnosis; and the population, including age group, for which the drug is safe and effective. U.S. Department of Health and Human Services, Food and Drug Administration, Center for Drug Evaluation and Research, Center for Biologics Evaluation and Research. *Indications and Usage Section of Labeling for Human Prescription Drug and Biological Products Content and Format: Guidance for Industry*. July 2018. Accessed February 12, 2024. Available at <https://www.fda.gov/files/drugs/published/Indications-and-Usage-Section-of-Labeling-for-Human-Prescription-Drug-and-Biological-Products-%E2%80%94-Content-and-Format-Guidance-for-Industry.pdf>. A medication approved for the treatment of asthma in adults would, for example, be prescribed off label if used to treat a different disease, like pneumonia, or a different age group, like children.

⁴² U.S. Food & Drug Administration. *Understanding Unapproved Use of Approved Drugs “Off Label.”* February 5, 2018. Accessed February 12, 2024. Available at <https://www.fda.gov/patients/learn-about-expanded-access-and-other-treatment-options/understanding-unapproved-use-approved-drugs-label>.

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warrant special consent or review if it is deemed to be in the individual patient’s best interest.” It further states “in no way does a lack of labeling signify that therapy is unsupported by clinical experience or data in children.”⁴³ There are several reasons why, even if there is substantial evidence of safety and efficacy for a new indication, a sponsor may not seek FDA approval for it. These reasons include that seeking approval may not be economically beneficial for the sponsor.⁴⁴

38. “Off-label” use of drugs is common in many areas of medicine, including pediatrics. A recent study of children’s hospitals found that in 28.1% of encounters, at least one off-label drug was prescribed. Examples of medications used off-label in this study included: albuterol, which is used to treat asthma; morphine, which is used to treat pain; and lansoprazole (Prevacid®), which is used to treat gastroesophageal reflux.⁴⁵ The rate of off-label use may be significantly higher in certain age groups, categories of drugs, and clinical settings.⁴⁶

**GENERALLY APPLICABLE PRINCIPLES OF INFORMED CONSENT
APPLY TO PEDIATRIC GENDER-AFFIRMING MEDICAL CARE**

Principles of Informed Consent

39. Before performing any medical intervention, a healthcare provider must generally obtain an adult patient’s informed consent. Informed consent is a process in which the provider discloses information, elicits the patient’s preferences, offers medical advice, and seeks explicit authorization. In order to participate in the informed consent process, a patient must have medical decision-making capacity. If an adult patient lacks capacity, a proxy decision-maker is generally

⁴³ Frattarelli DA, Galinkin JL, Green TP, et al. Off-label use of drugs in children. *Pediatrics*. 2014;133(3):563-567. Quotations appear on pages 563, 565, and 564 respectively.

⁴⁴ Wittich CM, Burkle CM, Lanier WL. Ten common questions (and their answers) about off-label drug use. *Mayo Clin Proc*. 2012;87(10):982-990.

⁴⁵ See Yackey K, Stukus K, Cohen D, Kline D, Zhao S, Stanley R. Off-label medication prescribing patterns in pediatrics: An update. *Hosp Pediatr*. 2019;9(3):186-193.

⁴⁶ Maltz LA, Klugman D, Spaeder MC, Wessel DL. Off-label drug use in a single-center pediatric cardiac intensive care unit. *World J Pediatr Congenit Heart Surg*. 2013;4(3):262-266.

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alternatives to a treatment, including declining treatment; (ii) appreciate the implications of a treatment decision for their own lives; (iii) evaluate the potential benefits and risks; and (iv) express a preference.⁴⁹ Adolescents generally possess comparable medical decision-making capacity to adults. Louis A. Weithorn and Susan B. Campbell, for example, found that 14-year-olds performed similarly to adults with respect to their ability to understand and reason about treatment information.⁵⁰

42. The current treatment paradigm for treating gender dysphoria in minors is consistent with general ethical principles instantiated in the practices of informed consent and assent. The Endocrine Society clinical practice guideline extensively discusses the potential benefits, risks, and alternatives to treatment, and its recommendations regarding the timing of interventions are based in part on the treatment's potential risks and the adolescent's decision-making capacity. The guideline recommends that the informed consent process for GnRH analogs and sex hormones include a discussion of the implications for fertility and options for fertility preservation. The Endocrine Society clinical practice guideline also advises delaying gender-affirming hormone treatment, which results in partly irreversible physical changes, until an adolescent is developmentally capable of providing informed consent.⁵¹ Lieke J. J. Vrouwenraets

⁴⁹ Katz AL, Webb SA, Committee on Bioethics. Informed consent in decision-making in pediatric practice. *Pediatrics*. 2016;138(2):e20161485; Kon AA, Morrison W. Shared decision-making in pediatric practice: A broad view. *Pediatrics*. 2018;142(Suppl 3):S129-S132.

⁵⁰ Weithorn LA, Campbell SB. The competency of children and adolescents to make informed treatment decisions. *Child Dev*. 1982;53(6):1589-1598.

⁵¹ See Hembree WC, Cohen-Kettenis PT, Gooren L, et al. Endocrine treatment of gender-dysphoric/gender-incongruent persons: An Endocrine Society clinical practice guideline. *J Clin Endocrinol Metab*. 2017;102(11):3869-3903.



45. While treatment for gender dysphoria with gender-affirming hormones may impair fertility, this is not universal and may also be reversible. There are transgender men who became pregnant while on or after discontinuing testosterone therapy.⁵⁶ Transgender men and women are also capable of producing eggs and sperm respectively both during and after the discontinuation of gender-affirming hormone treatment.⁵⁷

46. Additionally, the clinical practice guidelines discussed above recommend that healthcare providers offer individuals considering gender-affirming medical care methods to potentially preserve their fertility.⁵⁸

47. The risk of infertility is also not unique to treatment for gender dysphoria. For example, parents and legal guardians consent to the treatment of medical conditions for their minor children, including some nonmalignant rheumatologic disorders and hematologic conditions, which may impair fertility.⁵⁹

48. While transgender adolescents have higher rates of depression, anxiety, suicidal ideation, and suicide attempts, there are no studies indicating that those higher rates are caused or

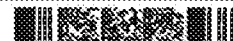
⁵⁶ Light AD, Obedin-Maliver J, Sevelius JM, Kerns JL. Transgender men who experienced pregnancy after female-to-male gender transitioning. *Obstet Gynecol.* 2014;124(6):1120-1127.

⁵⁷ Leung A, Sakkas D, Pang S, Thornton K, Resetkova N. Assisted reproductive technology outcomes in female-to-male transgender patients compared with cisgender patients: A new frontier in reproductive medicine. *Fertil Steril.* 2019;112(5):858-865; de Nie I, van Mello NM, Vlahakis E, et al. Successful restoration of spermatogenesis following gender-affirming hormone therapy in transgender women. *Cell Rep Med.* 2023;4(1):100858.

⁵⁸ Hembree WC, Cohen-Kettenis PT, Gooren L, et al. Endocrine treatment of gender-dysphoric/gender-incongruent persons: An Endocrine Society clinical practice guideline. *J Clin Endocrinol Metab.* 2017;102(11):3869-3903.

⁵⁹ Delessard M, Saulnier J, Rives A, Dumont L, Rondanino C, Rives N. Exposure to chemotherapy during childhood or adulthood and consequences on spermatogenesis and male fertility. *Int J Mol Sci.* 2020;21(4):1454; Blumenfeld Z. Chemotherapy and fertility. *Best Pract Res Clin Obstet Gynaecol.* 2012;26(3):379-390; Hirshfeld-Cytron J, Gracia C, Woodruff TK. Nonmalignant diseases and treatments associated with primary ovarian failure: An expanded role for fertility preservation. *J Womens Health (Larchmt).* 2011;20(10):1467-1477.

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exacerbated by gender-affirming medical care.⁶⁰ Rather, contributing factors include conflict between one’s appearance and identity, stigma, and rejection.⁶¹ As discussed above, the available evidence indicates that gender-affirming care improves, rather than worsens, psychological outcomes.

49. Finally, not knowing all potential harmful effects associated with a medication is not a sufficient reason for the FDA to not approve a medication, let alone for a state to ban it. The FDA requires post-marketing surveillance of medications’ adverse effects because the clinical trials on which the approvals are based cannot identify all possible side effects.⁶²

50. In determining whether the benefits of treatment outweigh the risks, medical providers and patients must also consider the potential alternatives including not providing or receiving the treatment. As stated above, prior to the initiation of gender-affirming medical care, many individuals with gender dysphoria have significant, unresolved symptoms that treatment improves. Without medical treatment, these symptoms would persist. The assertion that psychotherapy alone is sufficient to treat gender dysphoria in adolescents is only supported by anecdotal evidence.⁶³

⁶⁰ Haas AP, Eliason M, Mays VM, et al. Suicide and suicide risk in lesbian, gay, bisexual, and transgender populations: Review and recommendations. *J Homosex.* 2011;58(1):10-51.

⁶¹ Bauer GR, Scheim AI, Pyne J, Travers R, Hammond R. Intervenable factors associated with suicide risk in transgender persons: A respondent driven sampling study in Ontario, Canada. *BMC Public Health.* 2015;15:525.

⁶² U.S. Food & Drug Administration. Postmarketing Surveillance Programs. April 2, 2020. Accessed February 12, 2024. Available at <https://www.fda.gov/drugs/surveillance/postmarketing-surveillance-programs>.

⁶³ See, for example, Levine SB. Transitioning back to maleness. *Arch Sex Behav.* 2018;47(4):1295-1300.

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such an early age.⁶⁸ Parents of children who have undergone feminizing genitoplasty and hypospadias repair have experienced regret over their decisions.⁶⁹ For example, Rachel S. Fisher and colleagues found that 38% of caregivers of infants with congenital adrenal hyperplasia reported some level of regret about their child’s genital surgery.⁷⁰

THE INCREASED PREVALENCE OF GENDER-AFFIRMING CARE DOES NOT SUPPORT A BAN

57. The increased number of transgender individuals and those receiving medical treatment does not justify a ban. The causes of these changes are likely to be multifactorial including increased social acceptance of transgender individuals and availability of gender-affirming medical care.⁷¹ Changes in demographics are not unique to gender dysphoria and have been seen in other conditions such as autism spectrum disorder and childhood-onset type 1 diabetes.⁷² These changes are a justification for further research on gender-affirming medical care rather than prohibiting these treatments and thereby preventing further research on them.

⁶⁸ Jesus LE. Feminizing genioplasties: Where are we now? *J Pediatr Urol.* 2018;14(5):407-415; Frader J, Alderson P, Asch A, et al. Health care professionals and intersex conditions. *Arch Pediatr Adolesc Med.* 2004;158(5):426-428.

⁶⁹ Fisher RS, Espeleta HC, Baskin LS, et al. Decisional regret about surgical and non-surgical issues after genitoplasty among caregivers of female infants with CAH. *J Pediatr Urol.* 2022;18(1):27-33; Vavilov S, Smith G, Starkey M, Pockney P, Deshpande AV. Parental decision regret in childhood hypospadias surgery: A systematic review. *J Paediatr Child Health.* 2020;56(10):1514-1520.

⁷⁰ Fisher RS, Espeleta HC, Baskin LS, et al. Decisional regret about surgical and non-surgical issues after genitoplasty among caregivers of female infants with CAH. *J Pediatr Urol.* 2022;18(1):27-33.

⁷¹ Wiepjes CM, Nota NM, de Blok CJM, et al. The Amsterdam Cohort of Gender Dysphoria Study (1972-2015): Trends in prevalence, treatment, and regrets. *J Sex Med.* 2018;15(4):582-590.

⁷² Christensen DL, Maenner MJ, Bilder D, et al. Prevalence and characteristics of autism spectrum disorder among children aged 4 years - Early Autism and Developmental Disabilities Monitoring Network, seven sites, United States, 2010, 2012, and 2014. *MMWR Surveill Summ.* 2019;68(2):1-19; DIAMOND Project Group. Incidence and trends of childhood type 1 diabetes worldwide 1990-1999. *Diabet Med.* 2006;23(8):857-866.

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necessarily imply the use of randomized controlled trials,”⁷⁴ acknowledging that other study designs are appropriate to evaluate gender-affirming medical care. The European documents do not support the claims that gender-affirming medical care should be banned.

THE MEDICAL CARE BAN UNDERMINES THE INTEGRITY OF THE MEDICAL PROFESSION

60. The Ban violates the integrity of the medical profession and coerces medical professionals to violate their integrity and ethical duties. The medical profession has processes by which it evaluates treatments and determines whether they are safe and effective. The Ban intervenes in these processes replacing medical professionals’ judgment with the judgment of the legislature.

61. Healthcare providers have an ethical obligation to promote their patients’ well-being and to protect them from harm. When providers believe that the potential benefits of gender-affirming medical care outweigh the potential risks for a particular patient, prohibiting them from providing this treatment forces them to violate their ethical obligations to their patients or risk losing their licenses and incurring financial penalties. While the ability to continue to prescribe gender-affirming medical care to Ohio residents currently receiving treatment may mitigate some of the harmful consequences of the Ban, it does not obviate its fundamental medical and ethical shortcomings.

CONCLUSION

62. Treating adolescents with gender dysphoria with gender-affirming medical care under clinical practice guidelines, like the Endocrine Society’s, is evidence-based; its potential benefits outweigh its potential risks for many patients; and these risks are well within the range of

⁷⁴ Socialstyrelsen. Care of children and adolescents with gender dysphoria: Summary. 2022. Accessed June 28, 2023. Available at <https://www.socialstyrelsen.se/globalassets/sharepoint-dokument/artikelkatalog/kunskapsstod/2022-3-7799.pdf>.

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other medical decisions that adolescents and their parents or guardians have the discretion to make in consultation with their healthcare professionals.

63. Based on my research and experience as a pediatrician and bioethicist, there is no sound medical or ethical basis to prohibit healthcare professionals from providing gender-affirming medical care to minors. Doing so puts clinicians in the untenable position of having to harm their patients and violate their integrity and ethical obligations due to the threat of administrative and civil penalties.

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I declare under penalty of perjury under the laws of the United States of America that the foregoing is true and correct.

Armand H. Matheny Antommaria

ARMAND H. MATHENY ANTOMMARIA, MD, PhD

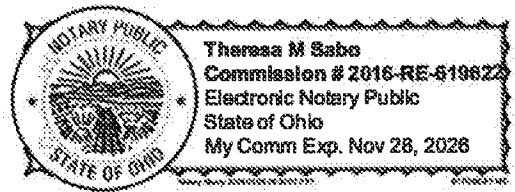
Signed at:
Franklin, Ohio
County

03/25/2024

Sworn to and subscribed before me this _____ day of March, 2024

Theresa M Sabo

Notary Public



Notarial act performed by audio-visual communication

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EXHIBIT A

Curriculum Vitae

Last Updated: February 11, 2024

PERSONAL DATA

Armand H. Matheny Antommara, MD, PhD, FAAP, HEC-C
Birth Place: Pittsburgh, Pennsylvania
Citizenship: United States of America

CONTACT INFORMATION

Address: 3333 Burnet Ave, ML 15006, Cincinnati, OH 45229
Telephone Number: (513) 636-4939
Electronic Mail Address: armand.antommara@cchmc.org

EDUCATION

1983-1987 BSEE Valparaiso University, with High Distinction
Valparaiso, IN
1983-1987 BS Valparaiso University (Chemistry), with High Distinction
Valparaiso, IN
1987-1989 MD Washington University School of Medicine
1998-2000 Saint Louis, MO
1989-2000 PhD The University of Chicago Divinity School (Religious Ethics)
Chicago, IL
2000-2003 Resident University of Utah (Pediatrics)
Salt Lake City, UT
2005-2006 Certificate Conflict Resolution Certificate Program, University of Utah
Salt Lake City, UT

BOARD CERTIFICATION

2019 Pediatric Hospital Medicine, American Board of Pediatrics
2019 Healthcare Ethics Consultant-Certified, Healthcare Ethics Consultation Certification
Commission
2004 General Pediatrics, American Board of Pediatrics

PROFESSIONAL LICENSES

2012-Present Doctor of Medicine, Ohio
2006-2010 Alternative Dispute Resolution Provider Mediator, Utah
2001-2014 Physician and Surgeon, Utah
2001-2014 Physician and Surgeon Controlled Substance, Utah

PROFESSIONAL EXPERIENCE

Full Time Positions

2019-Present *Professor*
Cincinnati Children's Hospital Medical Center, Cincinnati, OH
Department of Surgery

48700671-48335-4865-4862F-483785AF-288C-22040-0208-11149-37-5100-Barcode History

- 2019-Present *Professor of Clinical-Affiliated*
University of Cincinnati, Cincinnati, OH
Department of Surgery
- 2017-Present *Professor*
Cincinnati Children’s Hospital Medical Center, Cincinnati, OH
Division of Pediatric Hospital Medicine
- 2017-Present *Professor of Clinical-Affiliated*
University of Cincinnati, Cincinnati, OH
Department of Pediatrics
- 2016-2017 *Associate Professor of Clinical-Affiliated*
University of Cincinnati, Cincinnati, OH
Department of Pediatrics
- 2012-2017 *Associate Professor*
Cincinnati Children’s Hospital Medical Center, Cincinnati, OH
Division of Pediatric Hospital Medicine
- 2012-Present *Lee Ault Carter Chair in Pediatric Ethics*
Cincinnati Children’s Hospital Medical Center
- 2012-2016 *Associate Professor-Affiliated*
University of Cincinnati, Cincinnati, OH
Department of Pediatrics
- 2010-2012 *Associate Professor of Pediatrics (with Tenure)*
University of Utah School of Medicine, Salt Lake City, UT
Divisions of Inpatient Medicine and Medical Ethics
- 2010-2012 *Adjunct Associate Professor of Medicine*
University of Utah School of Medicine, Salt Lake City, UT
Division of Medical Ethics and Humanities
- 2004-2010 *Assistant Professor of Pediatrics (Tenure Track)*
University of Utah School of Medicine, Salt Lake City, UT
Divisions of Inpatient Medicine and Medical Ethics
- 2004-2010 *Adjunct Assistant Professor of Medicine*
University of Utah School of Medicine, Salt Lake City, UT
Division of Medical Ethics and Humanities
- 2003-2004 *Instructor of Pediatrics (Clinical Track)*
University of Utah School of Medicine, Salt Lake City, UT
Divisions of Inpatient Medicine and Medical Ethics
- 2003-2004 *Adjunct Instructor of Medicine*
University of Utah School of Medicine, Salt Lake City, UT
Division of Medical Ethics

Part Time Positions

- 2023-Present *Expert Witness, Report*
Voe et al. v. Mansfield et al., United States District Court, Middle District of
North Carolina. Case No. 1:23-CV-00864
- 2023-Present *Expert Witness, Report and Deposition*
Zayre-Brown v. North Carolina Department of Public Safety et al., United States
District Court, Western District of North Carolina, Case No. 3:22-CV-01910

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- 2023-Present *Expert Witness, Report*
Poe et al. v. Drummond et al., United States District Court, Northern District of Oklahoma, Case No. 4:23-cv-00177
- 2023-Present *Expert Witness, Report*
L.W. et al. v. Skrmetti et al., United States District Court, Middle District of Tennessee, Case No. 3:23-cv-00376.
- 2022-2023 *Expert Witness, Reports, Deposition, and Testimony*
Dekker et al. v. Weida et al., United States District Court, Northern District of Florida, Case No. 4:22-cv-00325
- 2022- Present *Expert Witness, Report, Deposition, and Testimony*
Boe et al. v. Marshall et al., United States District Court, Middle District of Alabama Northern Division, Case No. 22-cv-00184
- 2022 *Expert Witness, Report*
Walker et al. v. Marshall et al., United States District Court, Middle District of Alabama Northern Division, Case No. 2:22-cv-00167
- 2022-Present *Expert Witness, Report and Testimony*
Doe et al. v. Abbott et al., District Court of Travis County, Texas , Case No. D-1-GN-22-000977
- 2021-2022 *Expert Witness, Reports, Deposition, and Testimony*
Brandt et al. v. Griffin et al., United States District Court, Eastern District of Arkansas, Case No. 4:21-CV-00450-JM-1
- 2021 *Consultant*
Proctor & Gamble, Cincinnati, OH
- 2019 *Consultant*
Sanofi Genzyme, Cambridge, MA
- 2018-Present *Consultant*
Center for Conflict Resolution in Healthcare, Memphis, TN
- 2017-2020 *Consultant*
Amicus Therapeutics, Cranbury, NJ
- 2017 *Expert Witness, Report*
Klickovich v. Tristate Arthritis & Rheumatology et al., Commonwealth of Kentucky, Boone Circuit Court, Civil Action No. 16-CI-01690
- 2017 *Consultant*
Sarepta Therapeutics, Cambridge, MA
- 2014 *Consultant*
Genzyme, A Sanofi Company, Cambridge, MA

Editorial Experience

Editorial Board

- 2020-Present *Pediatrics*, Associate Editor for Ethics Rounds and Member of the Executive Editorial Board
- 2015-2020 *Journal of Clinical Ethics*
- 2009-2020 *Journal of Medical Humanities*

Guest Academic Editor

- 2017 *PLOS ONE*

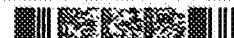
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Ad Hoc Reviewer: *Academic Medicine, Academic Pediatrics, AJOB Primary Research, American Journal of Bioethics, American Journal of Law & Medicine, American Journal of Medical Genetics, American Journal of Transplantation, Archives of Disease in Childhood, BMC Medical Ethics, BMJ Open, Canadian Journal of Bioethics, CHEST, Clinical Transplantation, European Journal of Human Genetics, European Journal of Pediatrics, Frontiers in Genetics, Hospital Medicine, International Journal of Health Policy and Management, International Journal of Nursing Studies, Journal of Adolescent and Young Adult Oncology, Journal of Clinical Ethics, Journal of Empirical Research on Human Research Ethics, Journal of General Internal Medicine, Journal of Healthcare Leadership, Journal of Hospital Medicine, Journal of the Kennedy Institute of Ethics, Journal of Law, Medicine & Ethics, Journal of Medical Ethics, Journal of Medical Humanities, Journal of Medicine and Life, Journal of Palliative Care, Journal of Pediatrics, Journal of Pediatric Surgery, Mayo Clinic Proceedings, Medicine, Healthcare and Philosophy, Molecular Diagnosis & Therapy, New England Journal of Medicine, Patient Preference and Adherence, Pediatrics, Pediatrics in Review, Personalized Medicine, PLOS ONE, Risk Management and Healthcare Policy, Saudi Medical Journal, SSM - Qualitative Research in Health, and Theoretical Medicine and Bioethics*

SCHOLASTIC AND PROFESSIONAL HONORS

- 2023 *Digital Health Award, Bronze Medal in the Digital Health Media/Publications category for Pediatric Collections: Ethics Rounds: A Casebook in Pediatric Bioethics Part II, Health Information Resource Center, Libertyville, IL*
- 2021 *Hidden Gem Award, Cincinnati Children’s Hospital Medical Center, Cincinnati, OH*
- 2019-2022 *Presidential Citation, American Society for Bioethics and Humanities, Chicago, IL*
- 2016 *Laura Mirkinson, MD, FAAP Lecturer, Section on Hospital Medicine, American Academy of Pediatrics, Elk Grove Village, IL*
- 2016, 2018 *Certificate of Excellence, American Society for Bioethics and Humanities, Glenview, IL*
- 2013, 2016 *Senior Resident Division Teaching Award, Cincinnati Children’s Hospital Medical Center, Cincinnati, OH*
- 2012 *Role Model, Quality Review Committee, Primary Children’s Medical Center, Salt Lake City, UT*
- 2011 *Member, Society for Pediatric Research, The Woodlands, TX*
- 2011 *Presidential Citation, American Society for Bioethics and Humanities, Glenview, IL*
- 2009 *Role Model, Quality Review Committee, Primary Children’s Medical Center, Salt Lake City, UT*
- 2008 *Nominee, Physician of the Year, Primary Children’s Medical Center, Salt Lake City, UT*
- 2005-2006 *Fellow, Medical Scholars Program, University of Utah School of Medicine, Salt Lake City, UT*
- 1995-1997 *Doctoral Scholar, Crossroads, A Program of Evangelicals for Social Action, Philadelphia PA*

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1989-1992 *Fellow*, The Pew Program in Medicine, Arts, and the Social Sciences, University of Chicago, Chicago, IL

ADMINISTRATIVE EXPERIENCE

Administrative Duties

- 2023-Present *Chair*, Literature Selection Technical Review Committee, National Library of Medicine, Bethesda, MD
- 2019-Present *Chair*, Oversight Committee, Cincinnati Fetal Center, Cincinnati, OH
- 2014-Present *Chair*, Ethics Committee, Cincinnati Children’s Hospital Medical Center, Cincinnati, OH
- 2012-Present *Director*, Ethics Center, Cincinnati Children’s Hospital Medical Center, Cincinnati, OH
- 2012-Present *Chair*, Ethics Consultation Subcommittee, Cincinnati Children’s Hospital Medical Center, Cincinnati, OH
- 2010 *Co-Chair*, Ethics Subcommittee, Work Group for Emergency Mass Critical Care in Pediatrics, Centers for Disease Control and Prevention, Atlanta, GA
- 2009 *Chair*, Ethics Working Group, H1N1 and Winter Surge, Primary Children’s Medical Center, Salt Lake City, UT
- 2005-2012 *Chair*, Ethics Committee, Primary Children’s Medical Center, Salt Lake City, UT
- 2005-2012 *Chair*, Ethics Consultation Subcommittee, Primary Children’s Medical Center, Salt Lake City, UT
- 2003-4 *Chair*, Clinical Pertinence Committee, Primary Children’s Medical Center, Salt Lake City, UT

Professional & Scientific Committees

- 2023-Present *Member*, Expert Committee, Humanitarian Access Program, Alnylam Pharmaceuticals, Cambridge, MA
- 2021 *Member*, EMCO Capacity Collaboration, Ohio Hospital Association, Columbus, OH
- 2020-2021 *Member*, Allocation of Scarce Resources Work Group, Ohio Hospital Association, Columbus, OH
- 2020-Present *Member*, Literature Selection Technical Review Committee, National Library of Medicine, Bethesda, MD
- 2020 *Member*, Crisis Standards of Care Workgroup, The Health Collaborative, Cincinnati, OH
- 2019-Present *Member*, Healthcare Ethics Consultant Certification Commission, Oak Park, IL
- 2019 *Member*, Expert Panel, Pediatric Oncology End-of-Life Care Quality Markers, Institute for Cancer Outcomes & Survivorship, University of Alabama at Birmingham, Birmingham, AL
- 2018 *Member*, Resource Planning and Allocation Team Implementation Task Force, Ohio Department of Health, Columbus, OH
- 2012-Present *Member*, Gaucher Initiative Medical Expert Committee, Project HOPE, Millwood, VA
- 2009-2014 *Member*, Clinical Ethics Consultation Affairs Committee, American Society for Bioethics and Humanities, Glenview, IL

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2005-2011 *Member, Committee on Bioethics, American Academy of Pediatrics, Oak Park, IL*

Data Safety and Monitoring Boards

2019-Present *Member, Data and Safety Monitoring Board, Sickle Cell Domestic Trials, National Heart, Lung, and Blood Institute, Bethesda, MD*

2018-2019 *Member, Standing Safety Committee for P-188-NF (Carneseal-MD™) in Duchenne Muscular Dystrophy, Phrixus Pharmaceuticals, Inc., Ann Arbor, MI*

2017-Present *Member, Observational Study Monitoring Board, Sickle Cell Disease Observational Monitoring Board, National Heart, Lung, and Blood Institute, Bethesda, MD*

2016-2018 *Member, Observational Study Monitoring Board, Long Term Effects of Hydroxyurea in Children with Sickle Cell Anemia, National Heart, Lung, and Blood Institute, Bethesda, MD*

Reviewer

2020-Present *Abstract Reviewer, American Society for Bioethics and Humanities Annual Meeting*

2020 *Grant Reviewer, The Croatian Science Foundation, Hrvatska zaklada za znanost (HRZZ)*

2018 *Book Proposal Reviewer, Elsevier*

2018-2019 *Category Leader, Religion, Culture, and Social Sciences, American Society for Bioethics and Humanities Annual Meeting*

2017 *Timekeeper, American Society for Bioethics and Humanities Annual Meeting*

2017-Present *Abstract Reviewer, Pediatric Academic Societies Annual Meeting*

2016-2021 *Workshop Reviewer, Pediatric Academic Societies Annual Meeting*

2016 *Grant Reviewer, Innovation Research Incentives Scheme, The Netherlands Organisation for Health Research and Development*

2016-2017 *Abstract Reviewer, American Society for Bioethics and Humanities Annual Meeting*

2014, 2016 *External Peer Reviewer, PSI Foundation, Toronto, Ontario, Canada*

2014 *Member, Scientific Committee, International Conference on Clinical Ethics and Consultation*

2013 *Abstract Reviewer, American Society for Bioethics and Humanities Annual Meeting*

2013 *Reviewer, Open Research Area Plus, Agence Nationale de la Recherche, Deutsche Forschungsgemeinschaft, Economic and Social Research Council, National Science Foundation, and Organization for Scientific Research*

2011-2012 *Abstract Reviewer, Pediatric Academic Societies Annual Meeting*

2011-2013 *Workshop Reviewer, Pediatric Academic Societies Annual Meeting*

2011-2014 *Abstract Reviewer, Pediatric Hospital Medicine Annual Meeting*

2011-2012 *Religious Studies Subcommittee Leader, Program Committee, American Society for Bioethics and Humanities Annual Meeting*

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- 2010 *Abstract Reviewer, American Society for Bioethics and Humanities Annual Meeting*
- Other
- 2023 *Member, Student Paper Committee, American Society for Bioethics and Humanities*
- 2021 *Timekeeper, American Society for Bioethics and Humanities Annual Meeting*
- 2021 *Mentor, Early Career Advisor Professional Development Track, American Society for Bioethics and Humanities.*
- 2021 *Mentor, Early Career Advisor Paper or Project Track, American Society for Bioethics and Humanities.*
- 2109 *Mentor, Early Career Advising Program, American Society for Bioethics and Humanities*
- 2018 *Passing Point Determination, Healthcare Ethics Consultant-Certified Examination, Healthcare Ethics Consultant Certification Commission*
- 2018 *Member, Examination Committee, Healthcare Ethics Consultant-Certified Examination, Healthcare Ethics Consultant Certification Commission*
- 2018 *Item Writer, Healthcare Ethics Consultant-Certified Examination, Healthcare Ethics Consultant Certification Commission*

UNIVERSITY COMMUNITY ACTIVITIES

Cincinnati Children's Hospital Medical Center

- 2023-Present *Member, Artificial Intelligence Governance Council*
- 2023-Present *Member, Executive Committee, Discover Together Biobank*
- 2020-Present *Member, Faculty Diversity and Inclusion Steering Committee*
- 2020-Present *Member, Medical Management of COVID-19 Committee*
- 2020-2021 *Member, Caregiver Refusal Team*
- 2020-2021 *Member, COVID-19 Vaccine Allocation Committee*
- 2020 *Member, Personal Protective Equipment Subcommittee of the COVID-19 Steering Committee*
- 2018-2019 *Member, Planning Committee, Center for Clinical & Translational Science & Training Research Ethics Conference*
- 2017-Present *Member, Donor Selection Committee*
- 2017-2020 *Member, Employee Emergency Fund Review Committee*
- 2017 *Member, Root Cause Analysis Team*
- 2016-2017 *Member, Planning Committee, Center for Clinical & Translational Science & Training Research Ethics Conference*
- 2015-2019 *Member, Destination Excellence Medical Advisory Committee*
- 2015-Present *Member, Disorders of Sexual Development Case Review Committee*
- 2015-2019 *Member, Destination Excellence Case Review Committee*
- 2014-2018 *Member, Genomics Review Group, Institutional Review Board*
- 2014-2017 *Member, Center for Pediatric Genomics Leadership Committee*
- 2013-2017 *Member, Genetic Testing Subcommittee, Health Network*
- 2013-2016 *Member, Schwartz Center Rounds Planning Committee*
- 2013-2014 *Member, Genomics Ad Hoc Subcommittee, Board of Directors*
- 2012-Present *Member, Cincinnati Fetal Center Oversight Committee*

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- 2012-Present *Member, Ethics Committee*
- 2012-Present *Member, G-23*
- 2012-2016 *Member, Integrated Solid Organ Transplant Steering Committee*

University of Utah

- 2009-2012 *Member, Consolidated Hearing Committee*

University of Utah School of Medicine

- 2010-2012 *Member, Medical Ethics, Humanities, and Cultural Competence Thread Committee*
- 2008-2010 *Member, Fourth Year Curriculum Committee*

University of Utah Department of Pediatrics

- 2010-2011 *Member, Planning Committee, 25th Annual Biological Basis of Children's Health Conference, "Sex, Gender, and Sexuality"*
- 2009-2012 *Member, Medical Executive Committee*
- 2005-2012 *Member, Retention, Promotion, and Tenure Committee*
- 2004-2012 *Interviewer, Residency Program*
- 2003-2012 *Member, Education Committee*

Intermountain Healthcare

- 2009-2012 *Member, System-Wide Bioethics Resource Service*
- 2009-2012 *Member, Pediatric Guidance Council*

Primary Children's Medical Center

- 2012-2012 *Member, Shared Accountability Organization Steering Committee*
- 2009 *Member, H1N1 and Winter Surge Executive Planning Team*
- 2005-2010 *Member, Continuing Medical Education Committee*
- 2005-2010 *Member, Grand Rounds Planning Committee*
- 2003-2012 *Member, Ethics Committee*

ACTIVE MEMBERSHIPS IN PROFESSIONAL SOCIETIES

- 2012-Present *Association of Bioethics Program Directors*
- 2011-Present *Society for Pediatric Research*
- 2000-Present *American Academy of Pediatrics*
- 1999-Present *American Society of Bioethics and Humanities*

FUNDING

Past Grants

- 2015-2019 *"Better Outcomes for Children: Promoting Excellence in Healthcare Genomics to Inform Policy."*
Percent Effort: 9%
National Human Genome Research Institute
Grant Number: 1U01 HG008666-01
Role: Investigator

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- 2015-2016 "Ethics of Informed Consent for Youth in Foster Care"
Direct Costs: \$10,000
Ethics Grant, Center for Clinical and Translational Science and Training
University of Cincinnati Academic Health Center
Role: Co-Investigator

- 2014-2015 "Extreme Personal Exposure Biomarker Levels: Engaging Community Physicians and Ethicists for Guidance"
Direct Costs: \$11,640
Center for Environmental Genetics
University of Cincinnati College of Medicine
Role: Investigator

- 2014-2015 "Child, Adolescent, and Parent Opinions on Disclosure Policies for Incidental Findings in Clinical Whole Exome Sequencing"
Direct Costs: \$4,434
Ethics Grant, Center for Clinical and Translational Science and Training,
University of Cincinnati Academic Health Center
Role: Principal Investigator

- 2013-2014 "Better Outcomes for Children: GWAS & PheWAS in eMERGEII"
Percent Effort: 5%
National Human Genome Research Institute
Grant Number: 3U01HG006828-0251
Role: Investigator

- 2004-2005 "Potential Patients' Knowledge, Attitudes, and Beliefs Regarding Participating in Medical Education: Can They be Interpreted in Terms of Presumed Consent?"
Direct Costs: \$8,000
Interdisciplinary Research in Applied Ethics and Human Values, University
Research Committee, University of Utah
Role: Principal Investigator

TEACHING RESPONSIBILITIES/ASSIGNMENTS

Course and Curriculum Development

2003-2012 Medical Ethics, Internal Medicine 7560, University of Utah School of Medicine,
Taught 1 time per year, Taken by medical students, Enrollment 100.

Course Lectures

2018, 2021 Introduction to Biotechnology, "Ethics and Biotechnology" and "Clinical Ethics,"
BIOL 3027, University of Cincinnati, Taught 1 time per year, Taken by
undergraduate students, Enrollment 25.

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- 2018-Present Biomedical Ethics, "Conscientious Objection in Healthcare" and "Ethical Issues in the Care of Transgender Adolescents," MEDS 4035 & MEDS 4036, University of Cincinnati College of Medicine, Taught 1 time per year, Taken by senior undergraduate students, Enrollment 52.
- 2016 Foundations of Healthcare Ethics and Law, "Clinical Ethics," HESA 390, Xavier University.
- 2014-Present Physicians and Society, "Transfusion and the Jehovah's Witness Faith," "Obesity Management: Ethics, Policy, and Physician Implicit Bias," "Embryos and Ethics: The Ethics of Designer Babies," "Ethics and Genetic Testing," and "Ethics and Direct to Consumer Genetic Testing," 26950112 and 26950116, University of Cincinnati School of Medicine, Taken by first and second year medical students, Enrollment 100.
- 2014-Present Ethical Issues in Health Care, "Ethical Issues in Managing Drug Shortages: The Macro, Meso, and Micro Levels," HESA 583, College of Social Sciences, Health, and Education Health Services Administration, Xavier University, Taken by health services administration students, Enrollment 25.
- 2009 Physical Diagnosis II, Internal Medicine 7160, University of Utah School of Medicine, Taught 1 time per year, Taken by medical students, Enrollment 100
- 2003-2012 Medical Ethics, Internal Medicine 7560, University of Utah School of Medicine, Taught 1 time per year, Taken by fourth year medical students, Enrollment 100.

Small Group Teaching

- 2024 Clinical Ethics Consortium Tutorial B, BETH 731B, Harvard Medical School, Taught 1 time, Taken by Master of Science in Bioethics students.
- 2018-Present Ethics in Research, GNTD 7003-001, University of Cincinnati School of Medicine, Taught 1 time per year, Taken by fellows, MS, and PhD students, Enrollment 110.
- 2007 Physical Diagnosis I, Internal Medicine 7150, University of Utah School of Medicine, Taught 1 time per year, Taken by medical students, Enrollment 100.
- 2003-2012 Medical Ethics, Internal Medicine 7560, University of Utah School of Medicine, Taught 1 time per year, Taken by fourth medical students, Enrollment 100.
- 2003 Pediatric Organ System, Pediatrics 7020, University of Utah School of Medicine, Taught 1 time per year, Taken by medical students, Enrollment 100.

Graduate Student Committees

- 2018-2022 *Chair*, Scholarship Oversight Committee, William Sveen, Pediatric Critical Care Fellowship, Cincinnati Children's Hospital Medical Center, Cincinnati, OH
- 2018-2020 *Member*, Scholarship Oversight Committee, Anne Heueman, Genetic Counseling, University of Cincinnati, Cincinnati, OH
- 2017-2019 *Chair*, Scholarship Oversight Committee, Bryana Rivers, Genetic Counseling, University of Cincinnati, Cincinnati, OH
- 2013-2015 *Mentor*, Sophia Hufnagel, Combined Pediatrics/Genetics Residency, Cincinnati Children's Hospital Medical Center, Cincinnati, OH
- 2013-2015 *Co-Chair*, Scholarship Oversight Committee, Andrea Murad, Genetic Counseling, University of Cincinnati, Cincinnati, OH

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- 2013-2014 *Member, Scholarship Oversight Committee, Grace Tran, Genetic Counseling, University of Cincinnati, Cincinnati, OH*
- 2011-2012 *Chair, Scholarship Oversight Committee, Kevin E. Nelson, MD, PhD, Pediatric Inpatient Medicine Fellowship, University of Utah, Salt Lake City, UT*

Continuing Education Lectures

- 2008 *Choosing Healthplans All Together (CHAT) Exercise Facilitator, 18th Annual Intermountain Medical Ethics Conference, "Setting Priorities for Healthcare in Utah: What Choices are We Ready to Make?," Salt Lake City, Utah, October 3.*
- 2007 *Speaker, Infant Medical Surgical Unit, Primary Children's Medical Center, "Withholding and Withdrawing Artificial Nutrition and Hydration: Can It Be Consistent With Care?," Salt Lake City, Utah, September 6.*
- 2007 *Faculty Scholar-in Residence, Summer Seminar, "The Role of Religion in Bioethics," Utah Valley State College, Orem, Utah, May 1.*
- 2006 *Workshop Leader, Faculty Education Retreat, "Publications and Publishing in Medical Education," University of Utah School of Medicine, Salt Lake City, Utah, September 15.*
- 2006 *Breakout Session, 16th Annual Intermountain Medical Ethics Conference, "Donation after Cardiac Death: Evolution of a Policy," Salt Lake City, Utah, March 28.*

Other Educational Activities

- 2008 *Instructor, Contemporary Ethical Issues in Medicine and Medical Research, Osher Lifelong Learning Institute, University of Utah, "Religion and Bioethics: Religiously Based Demands for and Refusals of Treatment," Salt Lake City, Utah, February 7.*
- 2007 *Speaker, Biology Seminar, Utah Valley State College, "Is He Dead?: Criteria of the Determination of Death and Their Implications for Withdrawing Treatment and Recovering Organs for Transplant," Orem, Utah, September 21.*

PEER-REVIEWED JOURNAL ARTICLES

1. Armand H. Matheny Antommaria, (Forthcoming) "Decision Making for Adolescents with Gender Dysphoria." *Perspectives in Biology and Medicine*.
2. Erica K. Salter, D. Micah Hester, Lou Vinarcsik, Armand H. Matheny Antommaria, Johan Bester, Jeffrey Blustein, Ellen Wright Clayton, Douglas S. Diekema, Ana S. Iltis, Loretta M. Kopelman, Jay R. Malone, Mark R. Mercurio, Mark C. Navin, Erin Talati Paquette, Thaddeus Mason Pope, Rosamond Rhodes, and Lainie F. Ross. (2023) "Pediatric Decision Making: Consensus Recommendations." *Pediatrics*. 152: e2023061832. PMID: 37555276.
3. William N. Sveen, Armand H. Matheny Antommaria, Stephen Gilene, and Erika L. Stalets. (2023) "Adverse Events During Apnea Testing for the Determination of Death by Neurologic Criteria: A Single Center, Retrospective Pediatric Cohort." *Pediatric Critical Care Medicine*. 24: 399-405. PMID: 36815829.
4. Erica K. Salter, Jay R. Malone, Amanda Berg, Annie Friedrich, Alexandra Hucker, Hillary King, and Armand H. Matheny Antommaria. (2023) "Triage Policies at U.S. Hospitals with Pediatric Intensive Care Units." *AJOB Empirical Bioethics*. 14: 84-90. PMID: 36576201.

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5. Armand H. Matheny Antommaria, Elizabeth Lanphier, Anne Housholder, and Michelle McGowan. (2023) "A mixed methods analysis of requests for religious exemptions to a COVID-19 vaccine requirement." *AJOB Empirical Bioethics*. 14: 15-22. PMID: 36161802.
6. Anne C Heuerman, Danielle Bessett, Armand H. Matheny Antommaria, Leandra K. Tolusso, Nicki Smith, Alison H. Norris, and Michelle L. McGowan. (2022). "Experiences of reproductive genetic counselors with abortion regulations in Ohio." *Journal of Genetic Counseling*. 31: 641-652. PMID: 34755409.
7. Armand H. Matheny Antommaria and Nddi I. Unaka. (2021) "Counterpoint: Prioritizing Health Care Workers for Scarce Critical Care Resources is Impractical and Unjust." *Journal of Hospital Medicine*. 16: 182-183. PMID 33617445.
8. Gregory A. Grabowski, Armand H. Matheny Antommaria, Edwin H. Kolodny, and Pramod K. Mistry. (2021) "Gaucher Disease: Basic and Translational Science Needs for More Complete Therapy and Management." *Molecular Genetics and Metabolism*. 132: 59-75. PMID: 33419694.
9. Armand H. Matheny Antommaria, Laura Monhollen, and Joshua K. Schaffzin. (2021) "An Ethical Analysis of Hospital Visitor Restrictions and Masking Requirements During the COVID-19." *Journal of Clinical Ethics*. 32: 35-44. PMID 33416516.
10. Armand H. Matheny Antommaria. (2020) "The Pediatric Hospital Medicine Core Competencies: 4.05 Ethics." *Journal of Hospital Medicine*. 15(S1): 120-121.
11. Armand H. Matheny Antommaria, Tyler S. Gibb, Amy L. McGuire, Paul Root Wolpe, Matthew K. Wynia, Megan K. Applewhite, Arthur Caplan, Douglas S. Diekema, D. Micah Hester, Lisa Soleymani Lehmann, Renee McLeod-Sordjan, Tamar Schiff, Holly K. Tabor, Sarah E. Wieten, and Jason T. Eberl for a Task Force of the Association of Bioethics Program Directors. (2020) "Ventilator Triage Policies During the COVID-19 Pandemic at U.S. Hospitals Associated With Members of the Association of Bioethics Program Directors." *Annals of Internal Medicine*. 173: 188-194. PMID: 32330224.
12. Armand H. Matheny Antommaria. (2020) "Conflicting Duties and Reciprocal Obligations During a Pandemic." *Journal of Hospital Medicine*. 15: 284-286. PMID: 32379030.
13. Mary V. Greiner, Sarah J. Beal, and Armand H. Matheny Antommaria. (2020) "Perspectives on Informed Consent Practices for Minimal-Risk Research Involving Foster Youth." *Pediatrics*. 145: e20192845. PMID: 32156772.
14. Jennifer deSante-Bertkau, Michelle McGowan, and Armand H. Matheny Antommaria. (2018) "Systematic Review of Typologies Used to Characterize Clinical Ethics Consultations." *Journal of Clinical Ethics*. 29: 291-304. PMID: 30605439.
15. Andrew J. Redmann, Melissa Schopper, Armand H. Matheny Antommaria, Judith Ragsdale, Alessandro de Alarcon, Michael J. Jutter, Catherine K. Hart, and Charles M. Myer. (2018) "To Transfuse or Not to Transfuse? Jehovah's Witnesses and Postoperative Hemorrhage in Pediatric Otolaryngology." *International Journal of Pediatric Otorhinolaryngology*. 115: 188-192. PMID: 30368384.



40271297-13-555821-42613-28629-283785AF259C-2024-03-26 11:16:57 -0500 - Remote User

16. Armand H. Matheny Antommaria, Kyle B. Brothers, John A. Myers, Yana B Feygin, Sharon A. Aufox, Murray H. Brilliant, Pat Conway, Stephanie M. Fullerton, Nanibaa A. Garrison, Carol R. Horowitz, Gail P. Jarvik, Rongling Li, Evette J. Ludman, Catherine A. McCarty, Jennifer B. McCormick, Nathaniel D. Mercaldo, Melanie F. Myers, Saskia C. Sanderson, Martha J. Shrubsole, Jonathan S. Schildcrout, Janet L. Williams, Maureen E. Smith, Ellen Wright Clayton, and Ingrid A. Holm. (2018) "Parents' Attitudes toward Consent and Data Sharing in Biobanks: A Multi-Site Experimental Survey." *AJOB Empirical Bioethics*. 9: 128-142. PMID: 30240342.
17. Armand H. Matheny Antommaria and Cynthia A. Prows. (2018) "Content Analysis of Requests for Religious Exemptions from a Mandatory Influenza Vaccination Program for Healthcare Personnel." *Journal of Medical Ethics*. 44: 389-391. PMID: 29463693.
18. Armand H. Matheny Antommaria. (2017) "May Medical Centers Give Nonresident Patients Priority in Scheduling Outpatient Follow-Up Appointments?" *Journal of Clinical Ethics*. 28: 217-221. PMID: 28930708.
19. Andrea M. Murad, Melanie F. Myers, Susan D. Thompson, Rachel Fisher, and Armand H. Matheny Antommaria. (2017) "A Qualitative Study of Adolescents' Understanding of Biobanks and Their Attitudes Toward Participation, Re-contact, and Data Sharing." *American Journal of Medical Genetics: Part A*. 173: 930-937. PMID: 28328120.
20. Saskia Sanderson, Kyle Borthers, Nathaniel Mercaldo, Ellen Wright Clayton, Armand Antommaria, Sharon Aufox, Murray Brilliant, Diego Campos, David Carrell, John Connolly, Pat Conway, Stephanie Fullerton, Nanibaa Garrison, Carol Horowitz, Gail Jarvik, David Kaufman, Terrie Kitchner, Rongling Li, Evette Ludman, Catherine McCarty, Jennifer McCormick, Valerie McManus, Melanie Myers, Aaron Scrol, Janet Williams, Martha Shrubsole, Jonathan Schildcrout, Maureen Smith, and Ingrid Holm. (2017) "Public Attitudes Towards Consent and Data Sharing in Biobank Research: A Large Multisite Experimental Survey in the US." *The American Journal of Human Genetics*. 100: 414-427. PMID: 28190457.
21. Maureen E. Smith, Saskia C Sanderson, Kyle B Brothers, Melanie F Myers, Jennifer McCormick, Sharon A Aufox, Martha J Shrubsole, Nanibaa A Garrison, Nathaniel D Mercaldo, Jonathan S Schildcrout, Ellen Wright Clayton, Armand H. Matheny Antommaria, Melissa Basford, Murray Brilliant, John J Connolly, Stephanie M Fullerton, Carol R Horowitz, Gail P Jarvik, Dave Kaufman, Terrie Kitchner, Rongling Li, Evette J Ludman, Catherine McCarty, Valerie McManus, Sarah C Stallings, Janet L Williams, and Ingrid A Holm. (2016) "Conducting a Large, Multi-Site Survey about Patients' Views on Broad Consent: Challenges and Solutions." *BMC Medical Research Methodology*. 16: 162. PMID: 27881091.
22. Angela Lorts, Thomas D. Ryan, Armand H. Matheny Antommaria, Michael Lake, and John Bucuvalas. (2016) "Obtaining Consensus Regarding International Transplantation Continues to be Difficult for Pediatric Centers in the United States." *Pediatric Transplantation*. 20: 774-777. PMID: 27477950.
23. Sophia B. Hufnagel, Lisa J. Martin, Amy Cassidy, Robert J. Hopkin, and Armand H. Matheny Antommaria. (2016) "Adolescents' Preferences Regarding Disclosure of Incidental Findings in Genomic Sequencing That Are Not Medically Actionable in Childhood." *American Journal of Medical Genetics Part A*. 170: 2083-2088. PMID: 27149544.

20250315 14:58:01 -4661: 961793047: 029C ... 20250305 09:11:00: 21 ... 20250305 09:11:00: 21 ... 20250305 09:11:00: 21

24. Nanibaa' A. Garrison, Nila A. Sathe, Armand H. Matheny Antommaria, Ingrid A. Holm, Saskia Sanderson, Maureen E. Smith, Melissa McPheeters, and Ellen Wright Clayton. (2016) "A Systematic Literature Review of Individuals' Perspectives on Broad Consent and Data Sharing in the United States." *Genetics in Medicine*. 18: 663-671. PMID: 26583683.
25. Kyle B. Brothers, Ingrid A. Holm Janet E. Childerhose, Armand H. Matheny Antommaria, Barbara A. Bernhardt, Ellen Wright Clayton, Bruce D. Gelb, Steven Joffe, John A. Lynch, Jennifer B. McCormick, Laurence B. McCullough, D. William Parsons, Agnes S. Sundaresan, Wendy A. Wolf, Joon-Ho Yu, and Benjamin S. Wilfond. (2016) "When Genomic Research Participants Grow Up: Contact and Consent at the Age of Majority." *The Journal of Pediatrics*. 168: 226-231. PMID: 26477867.
26. Erin E. Bennett, Jill Sweney, Cecile Aguayo, Criag Myrick, Armand H. Matheny Antommaria, and Susan L. Bratton. (2015) "Pediatric Organ Donation Potential at a Children's Hospital." *Pediatric Critical Care Medicine*. 16: 814-820. PMID: 26237656.
27. Anita J. Tarzian, Lucia D. Wocial, and the ASBH Clinical Ethics Consultation Affairs Committee. (2015) "A Code of Ethics for Health Care Ethics Consultants: Journey to the Present and Implications for the Field." *American Journal of Bioethics*. 15(5): 38-51. PMID: 25970392.
28. Armand H. Matheny Antommaria, Christopher A. Collura, Ryan M. Antiel, and John D. Lantos. (2015) "Two Infants, Same Prognosis, Different Parental Preferences." *Pediatrics*. 135: 918-923. PMID: 25847802.
29. Stefanie Benoit, Armand H. Matheny Antommaria, Norbert Weidner, and Angela Lorts. (2015) "Difficult Decision: What should we do when a VAD supported child experiences a severe stroke?" *Pediatric Transplantation*. 19: 139-143. PMID: 25557132.
30. Kyle B. Brothers, John A. Lynch, Sharon A. Aufox, John J. Connolly, Bruce D. Gelb, Ingrid A. Holm, Saskia C. Sanderson, Jennifer B. McCormick, Janet L. Williams, Wendy A. Wolf, Armand H. Matheny Antommaria, and Ellen W. Clayton. (2014) "Practical Guidance on Informed Consent for Pediatric Participants in a Biorepository." *Mayo Clinic Proceedings*. 89: 1471-1480. PMID: 25264176.
31. Sophia M. Bous Hufnagel and Armand H. Matheny Antommaria. (2014) "Laboratory Policies on Reporting Secondary Findings in Clinical Whole Exome Sequencing: Initial Uptake of the ACMG's Recommendations." *American Journal of Medical Genetics Part A*. 164: 1328-1331. PMID: 24458369.
32. Wylie Burke, Armand H. Matheny Antommaria, Robin Bennett, Jeffrey Botkin, Ellen Wright Clayton, Gail E. Henderson, Ingrid A. Holm, Gail P. Jarvik, Muin J. Khoury, Bartha Maria Knoppers, Nancy A. Press, Lainie Friedman Ross, Mark A. Rothstein, Howard Saal, Wendy R. Uhlmann, Benjamin Wilfond, Susan M. Wold, and Ron Zimmern. (2013) "Recommendations for Returning Genomic Incidental Findings? We Need to Talk!" *Genetics in Medicine*. 15: 854-859. PMID: 23907645.
33. Armand H. Matheny Antommaria. (2013) "An Ethical Analysis of Mandatory Influenza Vaccination of Health Care Personnel: Implementing Fairly and Balancing Benefits and Burdens." *American Journal of Bioethics*. 13(9): 30-37. PMID: 23952830.
34. Joseph A. Carrese and the Members of the American Society for Bioethics and Humanities Clinical Ethics Consultation Affairs Standing Committee. (2012) "HCEC Pearls and Pitfalls: Suggested Do's and Don't's for Healthcare Ethics Consultants." *Journal of Clinical Ethics*. 23: 234-240. PMID: 23256404.

2024-03-26 11:56:27 AM - Research Library

5. Armand H. Matheny Antommaria and Emily A. Thorell. (2011) "Non-Pharmaceutical Interventions to Limit Transmission of a Pandemic Virus: The Need for Complementary Programs to Address Children's Diverse Needs." *Journal of Clinical Ethics*. 22: 25-32. PMID: 21595352.
6. Armand H. Matheny Antommaria. (2010) "Conscientious Objection in Clinical Practice: Notice, Informed Consent, Referral, and Emergency Treatment." *Ave Maria Law Review*. 9: 81-99.
7. Armand H. Matheny Antommaria. (2008) "Defending Positions or Identifying Interests: The Uses of Ethical Argumentation in the Debate over Conscience in Clinical Practice." *Theoretical Medicine and Bioethics*. 29: 201-212. PMID: 18821078.
8. Armand H. Matheny Antommaria. (2008) "How can I give her IV antibiotics at home when I have three other children to care for?: Using Dispute System Design to Address Patient-Provider Conflicts in Health Care." *Hamline Journal of Public Law & Policy*. 29: 273-286.
9. Armand H. Matheny Antommaria. (2007) "Alternative Dispute Resolution and Pediatric Clinical Ethics Consultation: Why the Limits of Ethical Expertise and the Indeterminacy of the Best Interests Standard Favor Mediation." *Ohio State Journal on Dispute Resolution*. 23: 17-59.
10. Armand H. Matheny Antommaria. (2006) "Jehovah's Witnesses, Roman Catholicism, and Calvinism: Religion and State Intervention in Parental, Medical Decision-Making." *Journal of Law and Family Studies*. 8: 293-316.
11. Armand H. Matheny Antommaria and James F. Bale, Jr. (2002) "Ethical Issues in Clinical Practice: Cases and Analyses." *Seminars in Pediatric Neurology*. 9: 67-76. PMID: 11931129.

REVIEW ARTICLES

Armand H. Matheny Antommaria. (2010) "Conceptual and Ethical Issues in the Declaration of Death: Current Consensus and Controversies." *Pediatrics in Review*. 31: 427-430. PMID: 20889737.

BOOKS

1. Armand H. Matheny Antommaria, ed. (2022) *Ethics Rounds: A Casebook in Pediatric Bioethics Part II*. Itasca, IL: American Academy of Pediatrics.
2. Armand H. Matheny Antommaria. (1998) *A Retrospective, Political and Ethical Analysis of State Intervention into Parental Healthcare Decisions for Infants with Disabilities*. Wynnewood, Pennsylvania: Evangelicals for Social Action.

BOOK CHAPTERS

1. Armand H. Matheny Antommaria. (2018) "Against Medical Advice Discharges: Pediatric Considerations." In *Against-Medical-Advice Discharges from the Hospital: Optimizing Prevention and Management to Promote High-Quality, Patient-Centered Care*. David Alfandre. New York, Springer: 143-157.
2. Armand H. Matheny Antommaria. (2016) "Conscientious Objection in Reproductive Medicine." In *The Oxford Handbook of Reproductive Ethics*. Leslie Francis. Oxford, Oxford University Press: 209-225.
3. Armand H. Matheny Antommaria. (2011) "Patient Participation in Medical Education." In *Clinical Ethics in Pediatrics: A Case-based Approach*. Douglas Diekema, Mark Mercurio, and Mary Beth Adam. Cambridge, Cambridge University Press: 221-225.

467 00419 425531-46811-26001-469761541-22892 ... 2024-03-26 11:16:37 - Remote Access

4. Armand H. Matheny Antommaria. (2011) "State Intervention in Parental Decision Making: *Gone Baby Gone*." In *The Picture of Health: Medical Ethics and the Movies*. Henri Colt, Silvia Quadrelli, and Lester Friedman. Oxford, Oxford University Press: 308-312.
5. Armand H. Matheny Antommaria. (2009) "Managing Conflicts of Interest: A Perspective from a Pediatrician." In *Professionalism in Medicine: The Case-Based Guide for Medical Students*. John Spandorfer, Charles Pohl, Thomas Nasca and Susan Lee Rattner. Cambridge, Cambridge University Press: 376-377.
6. Armand H. Matheny Antommaria. (2007) "Do-Not-Resuscitate Orders." In *Comprehensive Pediatric Hospital Medicine*. L. B. Zaoutis and V. W. Chiang. Philadelphia, Mosby Elsevier: 1200-1204.

OTHER

Policy Statements and Technical Reports

1. American Academy of Pediatrics Committee on Bioethics. Armand H. Matheny Antommaria Lead Author. (2013) "Conflicts between Religious or Spiritual Beliefs and Pediatric Care: Informed Refusal, Exemptions, and Public Funding." *Pediatrics*. 132: 962-965. PMID: 24167167.
2. American Academy of Pediatrics Committee on Bioethics. Armand H. Matheny Antommaria Lead Author. (2013) "Ethical Controversies in Organ Donation After Circulatory Death." *Pediatrics*. 131: 1021-1026. PMID: 23629612.
3. American Academy of Pediatrics Committee on Bioethics and Committee on Genetics and the American College of Medical Genetics and Genomics Social, Ethical, and Legal Issues Committee. (2013) "Policy Statement: Ethical and Policy Issues in Genetic Testing and Screening of Children." *Pediatrics*. 131: 620-622. PMID: 23428972.
4. Lainie Friedman Ross, Howard M. Saal, Karen L. David, Rebecca R. Anderson, and the American Academy of Pediatrics Committee on Bioethics and Committee on Genetics and the American College of Medical Genetics and Genomics Social, Ethical, and Legal Issues Committee. (2013) "Technical Report: Ethical and Policy Issues in Genetic Testing and Screening of Children." *Genetics in Medicine*. 15: 234-245. PMID: 23429433.
5. American Academy of Pediatrics Committee for Pediatric Research and Committee on Bioethics. (2012) "Human Embryonic Stem Cell (hESC) and Human Embryo Research." *Pediatrics*. 130: 972-977. PMID: 23109685.
6. American College of Obstetricians and Gynecologists, Committee on Ethics and American Academy of Pediatrics, Committee on Bioethics. (2011) "Maternal-Fetal Intervention and Fetal Care Centers." *Pediatrics*. 128: e473-478. PMID: 21788223.
7. American Academy of Pediatrics Committee on Pediatric Emergency Medicine and Committee on Bioethics. (2011) "Consent for Emergency Medical Services for Children and Adolescents." *Pediatrics*. 128: 427-433. PMID: 21788221.
8. Council on School Health and Committee on Bioethics. Robert Murray and Armand H. Matheny Antommaria Lead Authors. (2010) "Honoring Do-Not-Attempt Resuscitation Requests in Schools." *Pediatrics*. 125: 1073-1077. PMID: 20421255.
9. Committee on Bioethics. (2010) "Ritual Genital Cutting of Female Minors." *Pediatrics*. 125: 1088-1093. PMID: 20421257.
10. Committee on Bioethics. (2010) "Children as Hematopoietic Stem Cell Donors." *Pediatrics*. 125: 392-404. PMID: 20100753.



11. Committee on Bioethics. Armand H. Matheny Antommaria Lead Author. (2009) "Physician Refusal to Provide Information or Treatment Based on Claims of Conscience." *Pediatrics*. 124: 1689-1693. PMID: 19948636.
12. Committee on Bioethics. (2009) "Pediatrician-Family-Patient Relationships: Managing the Boundaries." *Pediatrics*. 124: 1685-1688. PMID: 19948635.
13. Douglas S. Diekema, Jeffrey R. Botkin, and Committee on Bioethics. (2009) "Forgoing Medically Provided Nutrition and Hydration in Children." *Pediatrics*. 124: 813-822. PMID: 19651596.
14. Lainie Friedman Ross, J. Richard Thistlethwaite, Jr., and the Committee on Bioethics. (2008) "Minors as Living Solid-Organ Donors." *Pediatrics*. 122: 454-461. PMID: 18676567.
15. Mary E. Fallat, John Hutter, and Section on Hematology Oncology and Section on Surgery the Committee on Bioethics. (2008) "Preservation of Fertility in Pediatric and Adolescent Patients with Cancer." *Pediatrics*. 121: 1461-1469. PMID: 18450888.
16. Marcia Levetown and Bioethics and the Committee on Bioethics. (2008) "Communicating With Children and Families: From Everyday Interactions to Skill in Conveying Distressing Information." *Pediatrics*. 121: 1441-1460. PMID: 18450887.
17. American Academy of Pediatrics. Committee on Bioethics. (2007) "Professionalism in Pediatrics: Statement of Principles." *Pediatrics*. 120: 895-897. PMID: 17908776.

Ethics Rounds

1. Imogen Clover-Brown, Bryanna More, Christina G. Andrews, and Armand H. Matheny Antommaria. (2023) "Ethical Issues With Patient-Provider Interactions in an Evolving Social Media Landscape." *Pediatrics*. 151: e2022060066. PMID: 3765789.
2. Meaghann S. Weaver, Marianne E. M. Yee, Courtney E. Lawrence, Armand H. Matheny Antommaria, and Ross M. Fasano. (2023) "Requests for Directed Blood Donations." *Pediatrics*. 151: e202058183. PMID: 36897227.
3. Erwin Jiayuan Khoo, Devan M. Duenas, Benjamin S. Wilfond, Luke Gelinis, and Armand H. Matheny Antommaria. (2023) "Incentives in Pediatric Research in Developing Countries: When Are They Too Much?" *Pediatrics*. 151: e2021055702. PMID: 36660851.
4. Kim Mooney-Doyle, Kimberly A. Pyke-Grimm, Ashley Foster Lanzel, Kathleen E. Montgomery, Jamila Hassan, Anisha Thompson, Rebecca Rouselle, and Armand H. Matheny Antommaria. (2022) "Balancing Protection and Progress in Pediatric Palliative Care Research: Stakeholder Perspectives." *Pediatrics*. 150: e2022057502. PMID: 36069137.
5. Megan H. Pesch, Phoebe Dazinger, Lainie Friedman Ross, and Armand H. Matheny Antommaria. (2022) "An Ethical Analysis of Newborn Congenital Cytomegalovirus Screening." *Pediatrics*. 149: e2021055368. PMID: 35641472.
6. Ian D. Wolfe, Don Brunnquell, Rena Sorensen, and Armand H. Matheny Antommaria. (2022) "Should Tactile Defensiveness Exclude a Life-Sustaining Intervention in an Adolescent With Autism?" *Pediatrics*. 149: e2021054469. PMID: 35229117.
7. Jennifer E. deSante-Bertkau, Timothy K. Knilans, Govind Persad, Patricia J. Zettler, Holly Fernandez Lynch, and Armand H. Matheny Antommaria. (2021) "Off-Label Prescription of COVID-19 Vaccines in Children: Clinical, Ethical, and Legal Issues." *Pediatrics*. 149: e2021054578. PMID: 34615694.
8. Jamilah M. Hackworth, Meera Kotagal, O. N. Ray Bignal, 2nd, Ndidi Unaka, and Armand H. Matheny Antommaria. (2021) "Microaggressions: Privileged Observers' Duty to Act and What They Can Do." *Pediatrics*. 148: e2021052758. PMID: 34417286.

20250315 14:52:06 44925 00020 00037060470900 --- 20250315 08:11:30 01 01 --- Remote Copy

6. Armand H. Matheny Antommaria, (2019) "Relational Potential versus the Parent-Child Relationship." *Hastings Center Report*. 49(3): 26-27. PMID: 31269255.
7. Armand H. Matheny Antommaria, Robert A. Shapiro, and Lee Ann E. Conard. (2019) "Psychological Maltreatment and Medical Neglect of Transgender Adolescents: The Need for Recognition and Individualized Assessment." *American Journal of Bioethics*. 19: 72-74. PMID: 31543011.
8. Armand H. Matheny Antommaria. (2018) "Accepting Things at Face Value: Insurance Coverage for Transgender Healthcare." *American Journal of Bioethics*. 18: 21-23. PMID: 31159689.
9. Armand H. Matheny Antommaria and Judith R. Ragsdale. (2018) "Shaken, not Stirred: What are Ethicists Licensed to Do?" *American Journal of Bioethics*. 18: 56-58. PMID: 29697345.
10. Armand H. Matheny Antommaria. (2017) "Issues of Fidelity and Trust Are Intrinsic to Uncontrolled Donation after Circulatory Determination of Death and Arise Again with Each New Resuscitation Method." *American Journal of Bioethics*. 17: 20-22. PMID: 28430053.
11. Armand H. Matheny Antommaria. (2016) "Conscientious Objection: Widening the Temporal and Organizational Horizons." *The Journal of Clinical Ethics*. 27: 248-250. PMID: 27658282.
12. Armand H. Matheny Antommaria and Ron King. (2016) "Moral Hazard and Transparency in Pediatrics: A Different Problem Requiring a Different Solution." *American Journal of Bioethics*. 16: 39-40. PMID: 27292846.
13. Armand H. Matheny Antommaria, and Richard F. Ittenabch. (2016) "Quality Attestation's Portfolio Evaluation Is Feasible, But Is It Reliable and Valid?" *American Journal of Bioethics*. 16: 35-38. PMID: 26913658.
14. Armand H. Matheny Antommaria and Kristin Stanley Bramlage. (2015) "Enrolling Research Participants in Private Practice: Conflicts of Interest, Consistency, Therapeutic Misconception, and Informed Consent." *AMA Journal of Ethics*. 17: 1122-1126. PMID: 26698585.
15. Armand H. Matheny Antommaria. (2015) "Characterizing Clinical Ethics Consultations: The Need for a Standardized Typology of Cases." *American Journal of Bioethics*. 15: 18-20. PMID: 25970383.
16. Armand H. Matheny Antommaria. (2015) "Intensified Conflict Instead of Closure: Clinical Ethics Consultants' Recommendations' Potential to Exacerbate Ethical Conflicts." *American Journal of Bioethics*. 15: 52-54. PMID: 25562231.
17. Lainie Friedman Ross and Armand H. Matheny Antommaria. (2014) "The Need to Promote All Pediatric Stem Cell Donors' Understanding and Interests." *Pediatrics*. 133: e1356-1357. PMID: 24777208.
18. Armand H. Matheny Antommaria. (2014) "Pubertal Suppression and Professional Obligations: May a Pediatric Endocrinologist Refuse to Treat an Adolescent with Gender Dysphoria." *American Journal of Bioethics*. 13: 43-46. PMID: 24422933.
19. Armand H. Matheny Antommaria. (2012) "Empowering, Teaching, and Occasionally Advocating: Clinical Ethics Consultants' Duties to All of the Participants in the Process." *American Journal of Bioethics*. 12: 11-13. PMID: 22852533.
20. Armand H. Matheny Antommaria. (2010) "Dying but not Killing: Donation after Cardiac Death Donors and the Recovery of Organs." *Journal of Clinical Ethics*. 21: 229-231. PMID: 21089993.



AEFD0F61-6E9E-488E-8BDF-9B37B6AF259C ... 2024-03-26 11:19:37 -0500 ... Remorse County

21. Armand H. Matheny Antommaria and Julie Melini. (2010) "Is it Reasonable to Refuse to be Seen by a Nurse Practitioner in the Emergency Department?" *American Journal of Bioethics*. 10: 15-17. PMID: 20694899.
22. William Meadow, Chris Feudtner, Armand H. Matheny Antommaria, Dane Sommer, and John Lantos. (2010) "A Premature Baby with Necrotizing Enterocolitis Whose Parents Are Jehovah's Witnesses." *Pediatrics*. 216: 151-155. PMID: 20566607.
23. C. C. Weitzman, S. Schlegel, Nancy Murphy, Armand H. Matheny Antommaria, J. P. Brosco, and Martin T. Stein. (2009) "When Clinicians and a Parent Disagree on the Extent of Medical Care." *Journal of Developmental and Behavioral Pediatrics*. 30: 242-243. PMID: 19525718. Reprinted as (2010) *Journal of Developmental and Behavioral Pediatrics*. 31: S92-95. PMID: 20414087
24. Armand H. Matheny Antommaria and Susan Bratton. (2008) "Nurses' Attitudes toward Donation after Cardiac Death: Implications for Nurses' Roles and Moral Distress." *Pediatric Critical Care Medicine*. 9: 339-340. PMID: 18446100.
25. Armand H. Matheny Antommaria and Nannette C. Dudley. (2007) "Should Families Be Present During CPR?" *AAP Grand Rounds*. 17: 4-5.
26. Armand H. Matheny Antommaria. (2006) "The Proper Scope of Analysis of Conscientious Objection in Healthcare: Individual Rights or Professional Obligations." *Teaching Ethics*. 7: 127-131.
27. Armand H. Matheny Antommaria and Rajendu Srivastava. (2006) "If Cardiologists Take Care of Patients with Heart Disease, What do Hospitalists Treat?: Hospitalists and the Doctor-Patient Relationship." *American Journal of Bioethics*. 6: 47-49. PMID: 16423793.
28. Armand H. Matheny Antommaria. (2003) "I Paid Out-of-Pocket for My Son's Circumcision at Happy Valley Tattoo and Piercing: Alternative Framings of the Debate over Routine Neonatal Male Circumcision." *American Journal of Bioethics*. 3: 51-53. PMID: 12859817.

Letters

1. Benjamin S. Wilfond, David Magnus, Armand H Matheny Antommaria, Paul Appelbaum, Judy Aschner, Keith J. Barrington, Tom Beauchamp, Renee D. Boss, Wylie Burke, Arthur L. Caplan, Alexander M. Capron, Mildred Cho, Ellen Wright Clayton, F. Sessions Cole, Brian A. Darlow, Douglas Diekema, Ruth R. Faden, Chris Feudtner, Joseph J. Fins, Norman C. Fost, Joel Frader, D. Micah Hester, Annie Janvier, Steven Joffe, Jeffrey Kahn, Nancy E. Kass, Eric Kodish, John D. Lantos, Laurence McCullough, Ross McKinney, Jr., William Deadow, P. Pearl O'Rourke, Kathleen E. Powderly, DeWayne M. Pursley, Lainie Friedman Ross, Sadath Sayeed, Richard R. Sharp, Jeremy Sugarman, William O. Tarnow-Mordi, Holly Taylor, Tom Tomlison, Robert D. Truog, Yoram T. Unguru, Kathryn L. Weise, David Woodrum, Stuart Youngner. (2013) "The OHRP and SUPPORT." *New England Journal of Medicine*. 368: e36. PMID: 23738513.
2. Lainie Friedman Ross and Armand H. Matheny Antommaria. (2011) "In Further Defense of the American Academy of Pediatrics Committee on Bioethics 'Children as Hematopoietic Stem Cell Donors' Statement." *Pediatric Blood & Cancer*. 57: 1088-1089.
3. Armand H. Matheny Antommaria. (2011) "Growth Attenuation: Health Outcomes and Social Services." *Hastings Center Report*. 41(5): 4. PMID: 21980886.
4. Susan Bratton and Armand H. Matheny Antommaria. (2010) "Dead Donor Rule and Organ Procurement: The Authors Reply." *Pediatric Critical Care Medicine*. 11: 314-315.

483720F51-4838E-486E-8E0F-963785AF258C -- 20240326 11:18:37 -510 -- Remove History

5. Armand H. Matheny Antommaria and Joel Frader. (2009) "Policies of Children's Hospitals on Donation After Cardiac Death Reply." *Journal of the American Medical Association*. 302: 845.

Case Reports

Armand H. Matheny Antommaria. (2002) "Case 4.9: Inappropriate Access to a Celebrity's Medical Records." In *Ethics and Information Technology: A Case-Based Approach to a Health Care System in Transition*, James G. Anderson and Kenneth W. Goodman, 79-80. New York: Springer-Verlag.

Book Reviews

1. Armand H. Matheny Antommaria. (In Press) Review of *Mormonism, Medicine, and Bioethics*, by Courtney S. Campbell. *Mormon Studies Review*.
2. Armand H. Matheny Antommaria. (2023) Review of *Disability's Challenge to Theology: Genes, Eugenics, and the Metaphysics of Modern Medicine* by Devan Stahl. *Hastings Center Report*. 53(2): 44-45.
3. Armand H. Matheny Antommaria. (2021) Review of *When Harry Became Sally: Responding to the Transgender Moment*, by Ryan T. Anderson. *Journal of Medical Humanities* 42: 195-199. PMID 31808021.
4. Armand H. Matheny Antommaria. (2012) Review of *The Ethics of Organ Transplantation*, by Steven J. Jensen, ed., *Journal of the American Medical Association*. 308: 1482-1483.
5. Armand H. Matheny Antommaria. (2012) Review of *The Soul of Medicine: Spiritual Perspectives and Clinical Practice*, by John R. Petzet and Michael N. D'Ambra, ed., *Journal of the American Medical Association*. 308: 87.
6. Armand H. Matheny Antommaria. (2009) Review of *Conflicts of Conscience in Health Care: An Institutional Compromise*, by Holly Fernandez Lynch. *American Journal of Bioethics*. 9: 63-64.
7. Armand H. Matheny Antommaria. (2008) Review of *A Practical Guide to Clinical Ethics Consulting: Expertise, Ethos, and Power*, by Christopher Meyers. *American Journal of Bioethics*. 8: 72-73.
8. Armand H. Matheny Antommaria. (2004) Review of *Children, Ethics, and Modern Medicine*, by Richard B. Miller. *American Journal of Bioethics*. 4: 127-128.
9. Armand H. Matheny Antommaria. (2002) Review of *Ward Ethics: Dilemmas for Medical Students and Doctors in Training*, by Thomasine Kushner and David Thomasma, ed. *American Journal of Bioethics*. 2: 70-71. PMID: 22494193.
10. Armand H. Matheny Antommaria. (1999) Review of *Human Cloning: Religious Responses*, by Ronald Cole-Turner, ed. *Prism*. 6 (March/April): 21.
11. Armand H. Matheny Antommaria. (1999) Review of *Christian Theology and Medical Ethics: Four Contemporary Approaches*, by James B. Tubbs, Jr. *Journal of Religion*. 79 (April): 333-335.
12. Armand H. Matheny Antommaria. (1997) Review of *Body, Soul, and Bioethics*, by Gilbert C. Meilaender. *Prism*. 4 (May/June): 28.

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Newspaper Articles

1. W. Bradley Poss and Armand H. Matheny Antommaria. (2010) "Mass casualty planning must incorporate needs of children." *AAP News*. 31 (July): 38.
2. Robert Murray and Armand H. Matheny Antommaria. (2010) "Pediatricians should work with school nurses to develop action plans for children with DNAR orders." *AAP News*. 31 (May): 30.
3. Armand H. Matheny Antommaria. (2009) "Addressing physicians' conscientious objections in health care." *AAP News*. 30 (December): 32.

UNPUBLISHED POSTER PRESENTATIONS

1. Armand H. Matheny Antommaria. (2018) "Ethical Issues in the Care of International Patients: A Case Study." International Conference on Clinical Ethics and Consultation, Oxford, United Kingdom.
2. Jill S Sweney, Brad Poss, Colin Grissom, Brent Wallace, and Armand H Matheny Antommaria. (2010) "Development of a Statewide Pediatric Pandemic Triage Plan in Utah." Pediatric Academic Societies Annual Meeting, Vancouver, Canada. E-PAS20103713.147.
3. Christopher G. Maloney, Armand H. Matheny Antommaria, James F. Bale, Thomas Greene, Jian Ying, Gena Fletcher, and Rajendu Srivastava. (2010) "Why Do Pediatric Interns Violate the 30 Hour Work Rule?" Pediatric Academic Societies Annual Meeting, Vancouver, Canada. E-PAS20101500.596.
4. Armand H. Matheny Antommaria and Edward B. Clark. (2007) "Resolving Conflict through Bioethics Mediation." 3rd International Conference on Ethics Consultation and Clinical Ethics, Toronto, Canada.
5. Elizabeth Tyson, Tracy Hill, Armand Antommaria, Gena Fletcher, and Flory Nkoy. (2007) "Physician Practice Patterns Regarding Nasogastric Feeding Supplementation and Intravenous Fluids in Bronchiolitis Patients." Pediatrics Academic Societies Annual Meeting, Toronto, Canada. E-PAS2007:61300.

ORAL PRESENTATIONS

Keynote/Plenary Lectures

International

1. 2021, *Panelist*, Partnership for Quality Medical Donations, Charitable Access Programming for Rare Diseases, "Ethical Issues," Webinar, April 6.
2. 2017, *Invited Speaker*, Spina Bifida Fetoscopic Repair Study Group and Consortium, "Ethics of Innovation and Research in Fetal Surgery," Cincinnati, Ohio, October 26.
3. 2014, *Invited Speaker*, CIC 2013 CCI: Canadian Immunization Conference, "Condition-of-Service Influenza Prevention in Health Care Settings," Ottawa, Canada, December 2.
4. 2014, *Invited Speaker*, National Conference of the Chinese Pediatric Society, "A Brief Introduction to Pediatric Research and Clinical Ethics," Chongqing, China, September 12.

National

1. 2020, *Panelist*, Children's Mercy Bioethics Center, "Ethical Issues in the COVID Pandemic at Children's Hospitals," Webinar, March 2.
2. 2019, *Invited Speaker*, North American Fetal Therapy Network (NAFTnet), "Ethics of Innovation," Chicago, Illinois, October 12.

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18. 2014, *Speaker*, Advances in Fetology 2014, "The 'Miracle Baby' and Other Cases for Discussion," Cincinnati, Ohio, September 26.
19. 2014, *Speaker*, Advances in Fetology 2014, "'Can you tell me ...?': Achieving Informed Consent Given the Prevalence of Low Health Literacy," Cincinnati, Ohio, September 26.
20. 2014, *Panelist*, Center for Clinical & Translational Science & Training, Secrets of the Dead: The Ethics of Sharing their Data, Cincinnati, Ohio, August 28.
21. 2014, *Speaker*, Office for Human Research Protections Research Community Forum: Clinical Research ... and All That Regulatory Jazz, "Research Results and Incidental Findings: Do Investigators Have a Duty to Return Results to Participants," Cincinnati, Ohio, May 21.
22. 2013, *Opening Presentation*, Empirical Bioethics: Emerging Trends for the 21st Century, University of Cincinnati Center for Clinical & Translational Science & Training, "Empirical vs. Normative Ethics: A Comparison of Methods," Cincinnati, Ohio, February 21.
23. 2012, *Videoconference*, New York State Task Force on Life and the Law, "Pediatric Critical Care Triage," New York, New York, March 1.
24. 2011, *Presenter*, Fall Faculty Development Workshop, College of Social Work, University of Utah, "Teaching Ethics to Students in the Professions," Salt Lake City, Utah, November 14.
25. 2011, *Speaker*, 15th Annual Conference, Utah Chapter of the National Association of Pediatric Nurse Practitioners, "Ethical Issues in Pediatric Practice," Salt Lake City, Utah, September 22.
26. 2011, *Speaker*, Code Silver! Active Shooter in the Hospital, Utah Hospitals & Health Systems Association, Salt Lake City, Utah, March 21.
27. 2009, *Speaker*, Medical Staff Leadership Conference, Intermountain Healthcare, "The Ethics of Leadership," Park City, Utah, October 30.
28. 2008, *Speaker*, The Art and Medicine of Caring: Supporting Hope for Children and Families, Primary Children's Medical Center, "Medically Provided Hydration and Nutrition: Ethical Considerations," Salt Lake City, Utah, February 25.
29. 2005, *Speaker*, Utah NAPNAP (National Association of Pediatric Nurse Practitioners) Chapter Pharmacology and Pediatric Conference, "Immunization Update," Salt Lake City, Utah, August 18.
30. 2005, *Keynote Speaker*, 17th Annual Conference, Utah Society for Social Work Leadership in Health Care, "Brain Death: Accommodation and Consultation," Salt Lake City, March 18.
31. 2004, *Continuing Education Presentation*, Utah NAPNAP (National Association of Pediatric Nurse Practitioners), "Febrile Seizures," Salt Lake City, Utah, April 22.
32. 2004, *Speaker*, Advocacy Workshop for Primary Care Providers, "Ethics of Advocacy," Park City, Utah, April 3.
33. 2002, *Speaker*, 16th Annual Biologic Basis of Pediatric Practice Symposium, "Stem Cells: Religious Perspectives," Deer Valley, Utah, September 14.

Meeting Presentations

International

1. 2023, *Speaker*, International Conference on Clinical Ethics and Consultation, "Addressing Ethical and Conceptual Issues in Gender-Affirming Medical Care Outside of the Hospital," Rome, Italy, June 8.

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2. 2018, *Speaker*, International Conference on Clinical Ethics and Consultation, "A Systematic Review of Typologies Used to Characterize Clinical Ethics Consultations," Oxford, United Kingdom, June 21.

National

1. 2023, *Speaker*, American Society for Bioethics and Humanities Annual Meeting, "Addressing Restrictions on Gender-Affirming Medical Care in New Spaces: State Houses and Courtrooms," Baltimore, Maryland, October 13.
2. 2023, Kelsey S. Ryan, Rakhi Gupta Bassuray, Leela Sarathy, Sharon Ostfeld, Armand H. Matheny Antonmaria, Erin Rholl, Steven R. Leuthner, and Christy L. Cummings. *Workshop Presenter*, Pediatric Academic Societies Annual Meeting, "How Can Newborn Toxicology Testing be Equitable?" Washington, DC, April 30.
3. 2022, *Speaker*, American Society for Bioethics and Humanities Annual Meeting, "A Mixed Methods Analysis of Requests for Religious Exemptions to a COVID-19 Vaccine Requirement." Portland, Oregon, October 27.
4. 2022, *Panelist*, American Society for Bioethics and Humanities Annual Meeting, Pediatric Ethics Affinity Group, "When Ethical Healthcare Is Prohibited By Law, How Do We Respond?" Portland, Oregon, October 27.
5. 2022, *Speaker*, APPD/PAS Fellow Core Curriculum Workshop, Pediatric Academic Societies Annual Meeting, "From Idea to Implementation: Navigating the Ethical Landscape of Pediatric Clinical Research," Denver, Colorado, April 22.
6. 2021, *Panelist*, Pediatric Endocrine Society Annual Meeting, Difference of Sex Development Special Interest Group, Virtual Conference, April 29.
7. 2020, *Speaker*, American Society for Bioethics and Humanities Annual Meeting, "Is This Child Dead? Controversies Regarding the Neurological Criteria for Death," Virtual Conference, October 17.
8. 2020, *Speaker*, American Society for Bioethics and Humanities Annual Meeting, "Contemporary Ethical Controversy in Fetal Therapy: Innovation, Research, Access, and Justice," Virtual Conference, October 15.
9. 2020, *Speaker*, American Society for Bioethics and Humanities Annual Meeting, "K-12 Schools and Mandatory Public Health Programs During the COVID-19 Pandemic," Virtual Conference, October 15.
10. 2019, *Speaker*, American Society for Bioethics and Humanities Annual Meeting, "Ethical Issues in Translating Gene Transfer Studies Involving Children with Neurodegenerative Disorders," Pittsburgh, Pennsylvania, October 26.
11. 2019, *Moderator*, Pediatric Academic Societies Annual Meeting, Clinical Bioethics, Baltimore, Maryland, April 28.
12. 2018, *Presenter*, American Society for Bioethics and Humanities Annual Meeting, "Looking to the Past, Understanding the Present, and Imaging the Future of Bioethics and Medical Humanities' Engagement with Transgender Health," Anaheim, California, October 19.
13. 2018, *Speaker*, American Society for Bioethics and Humanities Annual Meeting, "Should Vaccination Be a Prerequisite for Sold Organ Transplantation?" Anaheim, California, October 18.
14. 2018, Lindsey Douglas, Armand H. Matheny Antonmaria, Derek Williams. *Workshop Presenter*, Pediatric Hospital Medicine Annual Meeting, "IRB Approved! Tips and Tricks to Smooth Sailing through the Institutional Review Board (IRB)." Atlanta, Georgia, July 20.

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15. 2018, Alan Schroeder, Armand H. Matheny Antommaria, Hannah Bassett, Kevin Chi, Shawn Ralston, Rebecca Blankenburg, *Workshop Speaker*, Pediatric Hospital Medicine Annual Meeting, "When You Don't Agree with the Plan: Balancing Diplomacy, Value, and Moral Distress," Atlanta, Georgia, July 20.
16. 2018, Alan Schroeder, Hannah Bassett, Rebecca Blankenburg, Kevin Chi, Shawn Ralston, Armand H. Matheny Antommaria, *Workshop Speaker*, Pediatric Academic Societies Annual Meeting, "When You Don't Agree with the Plan: Balancing Diplomacy, Value, and Moral Distress," Toronto, Ontario, Canada, May 7.
17. 2017, *Speaker*, American Society for Bioethics and Humanities Annual Meeting, "Tensions in Informed Consent for Gender Affirming Hormone Therapy and Fertility Preservation in Transgender Adolescents," Kansas City, Missouri, October 19.
18. Lindsey Douglas, Armand H. Matheny Antommaria, and Derek Williams. 2017, *Workshop Leader*, PHM[Pediatric Hospital Medicine]2017, "IRB Approved! Tips and Tricks to Smooth Sailing through the Institutional Review Board (IRB) Process," Nashville, Tennessee, July 21.
19. 2016, *Speaker*, American Society for Bioethics and Humanities Annual Meeting, "Ethical Challenges in the Care of International Patients: Organization, Justice, and Cultural Considerations," Washington, DC, October 9.
20. 2015, *Coauthor*, The American Society of Human Genetics Annual Meeting, "Adolescents' Opinions on Disclosure of Non-Actionable Secondary Findings in Whole Exome Sequencing," Baltimore, Maryland, October 9.
21. 2012, *Speaker*, American Society for Bioethics and Humanities Annual Meeting, "A Public Health Ethics Analysis of the Mandatory Immunization of Healthcare Personnel: Minimizing Burdens and Increasing Fairness," Washington, DC, October 21.
22. Armand H. Matheny Antommaria, Valerie Gutmann Koch, Susie A. Han, Carrie S. Zoubul. 2012, *Moderator*, American Society for Bioethics and Humanities Annual Meeting, "Representing the Underrepresented in Allocating Scarce Resources in a Public Health Emergency: Ethical and Legal Considerations," Washington, DC, October 21.
23. 2012, *Platform Presentation*, Pediatric Academic Societies Annual Meeting, "Qualitative Analysis of International Variation in Donation after Circulatory Death Policies and Rates," Boston, Massachusetts, April 30. Publication 3150.4.
24. 2011, *Speaker*, American Society for Bioethics and Humanities Annual Meeting, "The Intersection of Policy, Medicine, and Ethics during a Public Health Disaster: Special Considerations for Children and Families," Minneapolis, Minnesota, October 13.
25. Armand H. Matheny Antommaria and Joel Frader. 2010, *Workshop Leader*, Pediatric Academic Societies Annual Meeting, "Conscientious Objection in Health Care: Respecting Conscience and Providing Access," Vancouver, British Columbia, Canada. May 1. Session 1710.
26. 2009, *Workshop Leader*, American Society for Bioethics and Humanities Annual Meeting, "Advanced Clinical Ethics Consultation Skills Workshop: Process and Interpersonal Skills," Washington, DC, October 15.
27. 2009, *Platform Presentation*, Pediatric Academic Societies Annual Meeting, "Qualitative Analysis of Donation after Cardiac Death Policies at Children's Hospitals," Baltimore, Maryland, May 2. Publication 2120.6.

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28. 2008, *Speaker*, American Society for Bioethics and Humanities Annual Meeting, "Qualitative Analysis of Donation After Cardiac Death (DCD) Policies at Children's Hospitals," Cleveland, Ohio, October 26.
29. 2007, *Participant*, Hamline University School of Law Biennial Symposium on Advanced Issues in Dispute Resolution, "An Intentional Conversation About Conflict Resolution in Health Care," Saint Paul, Minnesota, November 8-10.
30. 2007, *Speaker*, American Society of Bioethics and Humanities Annual Meeting, "Bioethics Consultation and Alternative Dispute Resolution: Opportunities for Collaboration," Washington, DC, October 21.
31. 2007, *Speaker*, American Society of Bioethics and Humanities Annual Meeting, "DNAR Orders in Schools: Collaborations Beyond the Hospital," Washington, DC, October 18.
32. Armand H. Matheny Antommaria and Jeannie DePaulis. 2007, *Speaker*, National Association of Children's Hospitals and Related Institutions Annual Meeting, "Using Mediation to Address Conflict and Form Stronger Therapeutic Alliances," San Antonio, Texas, October 9.
33. 2006, *Speaker*, American Society of Bioethics and Humanities Annual Meeting, "Bioethics Mediation: A Critique," Denver, Colorado, October 28.
34. 2005, *Panelist*, American Society of Bioethics and Humanities Annual Meeting, "How I See This Case: 'He Is Not His Brain,'" Washington, DC, October 20.
35. 2005, *Paper Presentation*, Pediatric Ethics: Setting an Agenda for the Future, The Cleveland Clinic, "'He Is Not His Brain:' Accommodating Objections to 'Brain Death,'" Cleveland, Ohio, September 9.
36. 2004, *Speaker*, American Society for Bioethics and Humanities Spring Meeting, "Verification and Balance: Reporting Within the Constraints of Patient Confidentiality," San Antonio, Texas, March 13.
37. 2002, *Panelist*, American Society for Bioethics and Humanities Annual Meeting, "'Who Should Survive?': Mental Retardation and the History of Bioethics," Baltimore, Maryland, October 24.

Invited/Visiting Professor Presentations

1. 2013, Visiting Professor, "How to Listen, Speak and Think Ethically: A Multidisciplinary Approach," Norton Suburban Hospital and Kosair Children's Hospital, Louisville, Kentucky, May 22.
2. 2010, Visiting Professor, Program in Bioethics and Humanities and Department of Pediatrics, "What to Do When Parents Want Everything Done: 'Futility' and Ethics Facilitation," University of Iowa Carver College of Medicine, Iowa City, Iowa, September 10.

Grand Round Presentations

1. 2023, Harvey and Bernice Jones Lecture in Pediatric Ethics, "Too Far or Not Far Enough? Assessing Possible Changes in Determining Death and Procuring Organs," Arkansas Children's Hospital, Little Rock, November 16.
2. 2019, David Green Lectureship, "Establishing Goals of Care and Ethically Limiting Treatment," Primary Children's Hospital, Salt Lake City, Utah, December 5.
3. 2018, "The Ethics of Medical Intervention for Transgender Youth," El Rio Health, Tucson, Arizona, September 29.

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4. 2018, Pediatrics, "Patient Selection, Justice, and Cultural Difference: Ethical Issues in the Care of International Patients," Cleveland Clinic, Cleveland, Ohio, April 10.
5. 2018, Bioethics, "Reversibility, Fertility, and Conflict: Ethical Issues in the Care of Transgender and Gender Nonconforming Children and Adolescents," Cleveland Clinic, Cleveland, Ohio, April 9.
6. 2017, Heart Institute, "'Have you ever thought about what you would want if god forbid you became sicker?': Talking with adult patients about advance directives," Cincinnati Children's Hospital Medical Center, Cincinnati, Ohio, October 16.
7. 2017, Pediatrics, "Respectful, Effective Treatment of Jehovah's Witnesses," with Judith R. Ragsdale, PhD, MDiv and David Morales, MD, Cincinnati Children's Hospital Medical Center, Cincinnati, Ohio, March 14.
8. 2017, Pediatrics, "Ethical Dilemmas about Discharging Patients When There Are Disagreements Concerning Safety," Seattle Children's Hospital, Seattle, Washington, January 19.
9. 2015, Pediatrics, "'Nonbeneficial' Treatment: What must providers offer and what can they withhold?," Greenville Health System, Greenville, South Carolina, May 10.
10. 2014, Advance Practice Providers, "Common Ethical Issues," Cincinnati Children's Hospital Medical Center, Cincinnati, Ohio, August 13.
11. 2014, Respiratory Therapy, "Do-Not-Resuscitate (DNR) Orders," Cincinnati Children's Hospital Medical Center, Cincinnati, Ohio, July 15.
12. 2013, Heart Institute, "No Not Months. Twenty-Two *Years*-Old: Transiting Patients to an Adult Model of Care." Cincinnati Children's Hospital Medical Center, Cincinnati, Ohio, October 21.
13. 2013, Division of Neonatology, "This Premature Infant Has a *BRCA1* Mutation!?: Ethical Issues in Clinical Whole Exome Sequencing for Neonatologists." Cincinnati Children's Hospital Medical Center, Cincinnati, Ohio, October 11.
14. 2013, Department of Pediatrics, "Adults are Not Large Children: Ethical Issues in Caring for Adults in Children's Hospitals," Cincinnati Children's Hospital Medical Center, Cincinnati, Ohio, February 26.
15. 2012, "Mandate or Moratorium?: Persisting Ethical Controversies in Donation after Circulatory Death," Cedars-Sinai Medical Center, Los Angeles, California, May 16.
16. 2011, Division of Pediatric Neurology Friday Lecture Series, "Inducing or Treating 'Seizures' with Placebos: Is It Ever Ethical?," University of Utah, Salt Lake City, Utah, October 7.
17. 2011, Department of Surgery, "DNR Orders in the OR and other Ethical Issues in Pediatric Surgery: Case Discussions," Primary Children's Medical Center, Salt Lake City, Utah, October 3.
18. 2009, Department of Pediatrics, "What to Do When Parents Want Everything Done: 'Futility' and Bioethical Mediation," Primary Children's Medical Center, Salt Lake City, Utah, September 17.
19. 2008, Division of Pulmonology and Critical Care, "Futility: May Clinicians Ever Unilaterally Withhold or Withdraw Medical Treatment?" Utah Valley Regional Medical Center, Provo, Utah, April 17.
20. 2007, Division of Otolaryngology-Head and Neck Surgery, "Advance Directives, Durable Powers of Attorney for Healthcare, and Do Not Attempt Resuscitation Orders: Oh My!," University of Utah School of Medicine, Salt Lake City, Utah, June 20.

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Outreach Presentations

1. 2019, *Panelist*, Cincinnati Edition, WVXU, "The Ethics of Human Gene Editing," Cincinnati, Ohio, June 13.
2. 2019, *Speaker*, Adult Forum, Indian Hill Church, "Medical Ethics," Indian Hill, Ohio, March 24.
3. 2016, *Speaker*, Conversations in Bioethics: The Intersection of Biology, Technology, and Faith, Mt. Washington Presbyterian Church, "Genetic Testing," Cincinnati, Ohio, October 12.
4. 2008, *Speaker*, Science in Society, Co-sponsored by KCPW and the City Library, "Death Choices," Salt Lake City, Utah, November 20.
5. 2003, *Panelist*, Utah Symposium in Science and Literature, "The Goodness Switch: What Happens to Ethics if Behavior is All in Our Brains?" Salt Lake City, Utah, October 10.
6. 2002, *Respondent*, H. Tristram Englehardt, Jr. "The Culture Wars in Bioethics," Salt Lake Community College, Salt Lake City, Utah, March 29.

Podcasts

1. 2021, "Ethics of COVID Vaccines in Kids," PHM from Pittsburgh, August 12.
2. 2020, COVID Quandaries: Episode 1, "Is Getting Sick Just Part of the Job?" Hard Call, October 6.

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EXHIBIT B

TABLE 1: Level (Quality) of Evidence and Class (Strength) of Recommendation¹ and in 2020 American Heart Association Guideline for Pediatric Basic and Advanced Life Support

	Class 1 (Strong) Benefit >>> Risk	Class 2a (Moderate) Benefit >> Risk	Class 2b (Weak) Benefit ≈= Risk	Class 3 No Benefit (Moderate) Benefit = Risk	Class 3 Harm (Strong) Risk > Benefit	Total
Level A	1 (0.8%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	1 (0.8%)
Level B-R (Randomized)	1 (0.8%)	2 (1.5%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	3 (2.3%)
Level B-NR (Nonrandomized)	5 (3.8%)	9 (6.9%)	3 (2.3%)	0 (0.0%)	2 (1.5%)	19 (14.6%)
Level C-LD (Limited Data)	24 (18.5%)	22 (16.9%)	21 (16.2%)	1(0.8%)	2 (1.5%)	70 (53.8%)
Level C-EO (Expert Opinion)	22 (16.9%)	9 (6.9%)	6 (4.6%)	0 (0.0%)	0 (0.0%)	37 (28.5%)
Total	53 (40.8%)	42 (32.3%)	30 (23.1%)	1 (0.8%)	4 (3.1%)	130 (100%)

1. Level (Quality) of Evidence

Level A

- High-quality evidence from more than 1 [Randomized Controlled Trial (RCT)]
- Meta-analyses of high-quality RCTs
- One or more RCTS corroborated by high-quality registry studies

Level B-R (Randomized)

- Moderate-quality evidence from 1 or more RCTS
- Meta-analyses of moderate-quality RCTs

Level B-NR (Nonrandomized)

- Moderate-quality evidence from 1 or more well-designed, well-executed nonrandomized studies, observational studies, or registry studies
- Meta-analyses of such studies

Level C-LD (Limited Data)

- Randomized or nonrandomized observational or registry studies with limitations of design or execution
- Meta-analyses of such studies
- Psychological or mechanistic studies in human subjects

Level C-EO (Expert Opinion)

- Consensus of expert opinion based on clinical experience

Topjian AA, Raymond TT, Atkins D, et al. Part 4: Pediatric basic and advanced life support: 2020 American Heart Association guidelines for cardiopulmonary resuscitation and emergency cardiovascular care. *Circulation*. 2020;142(16 suppl 2):S469-S523.

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EXHIBIT C

TABLE 2: Strength of Recommendation and Quality of Evidence in Recommendations Made by the Endocrine Society

Strength of the Recommendation/ Quality of the Evidence ¹	Endocrine Treatment of Gender-Dysphoric/Gender-Incongruent Persons	Pediatric Obesity- Assessment, Treatment, and Prevention	Congenital Adrenal Hyperplasia Due to Steroid 21-Hydroxylase Deficiency
Strong High	0 (0) ²	0 (0)	0 (0)
Strong Moderate	3 (11)	4 (13)	18 (33)
Strong Low	5 (18)	6 (20)	13 (25)
Strong Very Low	2 (7)	1 (3)	1 (2)
Weak High	0 (0)	0 (0)	0 (0)
Weak Moderate	0 (0)	0 (0)	2 (4)
Weak Low	9 (32)	5 (17)	4 (7)
Weak Very Low	3 (11)	12 (40)	7 (13)
Ungraded Good Practice Statement ³	6 (21)	2 (7)	9 (17)
Either Low or Very Low	19 (68)	24 (80)	25 (46)
Total	28	30	54

¹ Quality of the Evidence

High: “Consistent evidence from well-performed RCTs [Randomized Controlled Trials] or exceptionally strong evidence from unbiased observational studies”

Moderate: “Evidence from RCTs with important limitations (inconsistent results, methodological flaws, indirect or imprecise evidence), or unusually strong evidence from unbiased observational studies”

Low: “Evidence for at least one critical outcomes from observational studies, from RCTs with serious flaws, or indirect evidence”

Very Low: “Evidence for at least one of the critical outcomes from unsystematic clinical observations or very indirect evidence”

See Swiglo BA, Murad MH, Schünemann HJ, et al. A case for clarity, consistency, and helpfulness: State-of-the-art clinical practice guidelines in endocrinology using the grading of recommendations, assessment, development, and evaluation system. *J Clin Endocrinol Metab.* 2008;93(3):666-73.

² n (%)



³Ungraded Good Practice Statement: "Direct evidence for these statements was either unavailable or not systematically appraised and considered out of the scope of this guideline. The intention of these statements is to draw attention to these principles." See Hembree WC, Cohen-Kettenis PT, Gooren L, et al. Endocrine treatment of gender-dysphoric/gender-incongruent persons: An Endocrine Society clinical practice guideline. *J Clin Endocrinol Metab.* 2017;102(11):3869-3903.

Guidelines:

Hembree WC, Cohen-Kettenis PT, Gooren L, et al. Endocrine treatment of gender-dysphoric/gender-incongruent persons: An Endocrine Society clinical practice guideline. *J Clin Endocrinol Metab.* 2017;102(11):3869-3903.

Styne DM, Arslanian SA, Connor EL, et al. Pediatric obesity-assessment, treatment, and prevention: An Endocrine Society clinical practice guideline. *J Clin Endocrinol Metab.* 2017;102(3):709-757.

Speiser PW, Arlt W, Auchus RJ, et al. Congenital adrenal hyperplasia due to steroid 21-hydroxylase deficiency: An Endocrine Society clinical practice guideline. *J Clin Endocrinol Metab.* 2018;103(11):4043-4088.

