



**2024 ONCOFERTILITY CONSORTIUM CONFERENCE November 11-13, 2024** 

**Detroit Marriott Renaissance Center** 

Hosted by



# WELCOME TO THE 2024 ONCOFERTILITY CONSORTIUM CONFERENCE

Dear Conference Attendees,

On behalf of the Oncofertility Consortium, we are thrilled to extend a warm welcome to all of you for the 16th Annual Conference, titled "Unveiling Insights: Harnessing Our Data, Shaping Tomorrow's Impact." Thank you to Henry Ford Health + Michigan State University Health Sciences for graciously hosting this conference at the Detroit Renaissance Center. Thank you also to Dr. Rick Leach, chair of Women's Health Services, for his endless support of the Oncofertility Consortium and guidance in planning this year's meeting.

We are excited to announce that this year's conference will feature an exceptional lineup of speakers, including several first-time speakers who will bring fresh perspectives and cutting-edge research to the forefront. Their expertise and insights undoubtedly contribute to the overall success of the event, and we are confident that their presentations will inspire and enlighten you.

We would like to express our deepest gratitude to the dedicated scientific program committee (Richard Anderson, Mindy Christianson, Veronica Gomez-Lobo, Yasmin Jayasinghe, Tyler Ketterl, Joyce Reineke, James Smith, Christine Wyns and Shuo Xiao), whose efforts have made this conference possible, from the selection of speakers to reviewing the excellent abstract submissions. We are also eternally grateful to the team behind the scenes from Michigan State University (Jenna French, Harmony Van Valkenberg, Mahmoud Salama, Sakiya Duncan) and Henry Ford (Suzanne Schut, Tina Miller, Mark Jones). Their commitment to excellence and attention to detail have ensured that every aspect of the event has been meticulously organized and helped ensure that CME credits could be offered this year to participants. Thank you also to the individual committee leaders who provided input and expertise throughout our planning. We are truly fortunate to have such a talented and dedicated team working behind the scenes.

Finally, we would like to extend our heartfelt appreciation to our event sponsors. Their generous support has played a crucial role in making this conference a reality. Their commitment to advancing the field of Oncofertility and their belief in the importance of collaborative research and knowledge sharing are truly commendable.

We are confident that the 16th Annual Conference will be a memorable and enriching experience for all attendees. It is our hope that the insights shared, discussions held, and connections made during this event will have a lasting impact on the field of Oncofertility and contribute to the advancement of patient care and outcomes.

We hope to see you for Dr. Teresa Woodruff's celebratory dinner Tuesday night to help us honor her brilliance in starting the Oncofertility Consortium and thank her for the years of leadership and guidance as we created clinical and research programs across the globe.

Enjoy!



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Kristin Smith
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### Program

### "Unveiling Insights: Harnessing Our Data, Shaping Tomorrow's Impact"

### Day 1: Monday, November 11, 2024

All activities will be held on the 4th floor, unless indicated otherwise.

### 7 – 8 am: Breakfast & Registration | Location: Renaissance Foyer and Cartier

8 am - 12 pm: Morning Parallel Sessions

Oncofertility Scientific Committees Meetings and Oncofertility 101 Course

Time	Location: Cabot	Location: Cartier	Location: Columbus
8 – 9 am	Female Oncofertility Committee	Non-Oncological Conditions Committee	Oncofertility 101 Course including ECHO Training &
9 – 10 am	Male Oncofertility Committee	Systems Optimization, Advocacy & Resource (SOAR) & Start Up Committees	Fellow Education Day
10 – 11 am	Surgery & Practice Committees	Pediatric and Adolescent	
11 am - 12 pm	Patient Navigation Committee (extends over lunch time)	Committee (PAC)	

### 8 am -12 pm: Oncofertility 101 Course

8 - 8:10 am: Introduction to Oncofertility - Molly Moravek (USA)

8:10 - 8:40 am: Impact of Gonadotoxic Therapy - Mindy Christianson (USA)

8:40 - 9:10 am: Female Fertility Preservation - Mary Ellen Pavone (USA)

9:10 - 9:40 am: Male Fertility Preservation - James Smith (USA)

9:40 - 10:10 am: Pediatric Fertility Preservation - Tyler Ketterl (USA)

10:10 - 10:20 am: Break

10:20 - 11:00 am: Working with Patients and Parents - Gwen Quinn (USA)

11:00 am - 12:00 pm: Sexual Health and Contraception in the AYA Population - Gwen Quinn (USA)

### 12 – 12:50 pm: Lunch | Location: Renaissance Foyer and Cartier

12:50 - 5 pm: Afternoon Main Session | Location: Columbus

Time	Topic	Speaker(s)
Main Program Opening		
12:50 – 1:00 pm	Welcome Message	Molly Moravek (USA) Kristin Smith (USA)
Theme: Legal Landscape of Fertility Preservation (Moderator: James Klosky, USA)		
1:00 – 1:45 pm	Keynote Speech: Constitutional Law and Oncofertility	Susan Crockin (USA)
1:45 – 2:30 pm	Panel: The influence of US laws and insurance coverage on your practice	Elizabeth Constance (USA) Sukhkamal Campbell (USA) Katelin Kastner (USA)
2:30 – 3:10 pm	Anatomy of an advocacy effort: Goals for insurance coverage	Joyce Reinecke (USA) Irene Su (USA)
3:10 – 3:20 pm	Break	
Theme: Advances In Gonadal Tissue Cryopreservation & Transplantation (Moderator: Karen Burns, USA)		
3:20 – 3:50 pm	Removing cancer cells from ovarian tissue	Christiani Amorim (Belgium)
3:50 – 4:20 pm	Testicular Tissue Cryopreservation Outcomes and Collaboration	Kyle Orwig (USA)
4:20 – 4:50 pm	Immuno-isolating capsules in ovarian tissue transplant	Ariella Shikanov (USA)
4:50 – 5:30 pm	Committee Report Outs: PAC & SOAR/Startup	Committees Chairs (USA)

#### Non-CME:

5:30 - 7:00 pm: Reception with nonprofit and medical organizations | Location: Renaissance Foyer

### Day 2: Tuesday, November 12, 2024

All activities will be held on the 4th floor, unless indicated otherwise.

### 7 – 8 am: Breakfast & Registration | Location: Renaissance Foyer and Cartier

8 am - 12 pm: Morning Session | Location: Columbus

Theme: Dealing with Uncertainty in Fertility Preservation

Moderator: Kyle Orwig, USA

Time	Торіс	Speaker(s)
8:00 – 8:45 am	It's Time to Remove the Experimental Label from Human IVM	Ye Yuan (USA)
8:45 – 9:15 am	Fertoprotective Agents	Shuo Xiao (USA)
9:15 – 10:00 am	Egg banking after chemotherapy – is it safe?	Joe Letourneau (USA)
10:00 – 10:15 am	Break	
10:15 – 11:00 am	Debate: Ovarian Tissue Cryopreservation vs oocyte cryopreservation in peripubertal populations	Kate McCracken (USA) Mary Ellen Pavone (USA)
11:00 – 11:40 am	Interactive session on Controversies	James Smith (USA)
11:40 am – 12:00 pm	Committee Report Outs: Patient Navigator, Basic Science, Male	Committees Chairs (USA)

### 12 – 1 pm: Lunch | Location: Renaissance Foyer and Cartier

1 – 5 pm: Afternoon Session | Location: Columbus

Theme: Fertility Preservation Outcomes and Collaboration

Moderator: Elizabeth Constance, USA

Time	Topic	Speaker(s)
1:00 – 1:30 pm	Are the right patients having fertility preservation? Outcomes from a pediatric population	Kathleen Duffin (UK)
1:30 – 2:15 pm	Risk Stratification	Cindy Im (USA) Karen Burns (USA)
2:15 – 2:45 pm	Reproductive HOPE Initiative	Leslie Appiah (USA) Tyler Ketterl (USA) Suzi Birz (USA)
2:45 – 3:00 pm	Break	
3:00 – 3:30 pm	Special Considerations for LGBTQ Patients in Oncofertility	Scout (USA)
3:30 – 4:00 pm	Survivorship Care Planning	Lillian Meacham (USA)
4:00 – 5:00 pm	Patient and Advocate Panel - Moderator: Erin Ellman (USA)	Nina Luker (USA) Martin Hogan (USA) Ped/Parent TBD

#### Non-CME:

5 - 6:30 pm: Posters | Location: Renaissance Foyer

7 – 10:00 pm: Special Dinner Event: Celebrating Dr. Teresa K. Woodruff

and 17 Years of the Oncofertility Consortium (additional registration required)

Location: Ambassador Salon 1 & 2 (3rd floor)

### Day 3: Wednesday, November 13, 2024

All activities will be held on the 4th floor, unless indicated otherwise.

### 7–8 am: Breakfast & Registration | Location: Renaissance Foyer and Cartier

8 am – 12 pm: Morning Session | Location: Columbus Theme: Navigating the Path Forward Moderator: Douglas Fair, USA

Time	Торіс	Speaker(s)
8:00 – 8:45 am	Oral Abstracts and Awards	TBD Winners
8:45 – 9:15 am	How can Al change fertility preservation?	Charles Bormann (USA)
9:15 – 9:45 am	Reproductive Aging	Francesca Duncan (USA)
9:45 – 10:00 am	Break	
10:00 – 10:30 am	Decision Aids for Family Building after Cancer	Catherine Benedict (USA)
10:30 – 11:00 am	Pros and Cons of FDA Testing	James Klosky (USA)
11:00 – 11:45 am	Using our Data to Share Stories	Suzi Birz (USA) Nammy Vedire (USA)
11:45 am – 12:00 pm	Wrap-Up & Future Directions	Molly Moravek (USA)

12 pm: Meeting Adjourn

# Speakers, Moderators, Program Committee & Organizers (alphabetically)

Speakers & Moderators (*)	Program Committee	Organizers
Ariella Shikanov (USA) Catherine Benedict (USA) Christiani Amorim (Belgium) Charles Bormann (USA) Cindy Im (USA) Douglas Fair (USA) (*) Elizabeth Constance (USA) (*) Erin Ellman (USA) (*) Francesca Duncan (USA) Gwen Quinn (USA) Irene Su (USA) James Klosky (USA) (*) James Smith (USA) Joyce Reinecke (USA) Karen Burns (USA) Katelin Kastner (USA) Katelin Kastner (USA) Kathleen Duffin (UK) Kristin Smith (USA) Kyle Orwig (USA) (*) Leslie Appiah (USA) Mary Ellen Pavone (USA) Mindy Christianson (USA) Mindy Christianson (USA) Nina Luker (USA) Scout (USA) Sukhkamal Campbell (USA) Susan Crockin (USA) Tyler Ketterl (USA)	Christine Wyns (Belgium) James Smith (USA) Joyce Reinecke (USA) Kristin Smith (USA) (Chair) Mahmoud Salama (USA) Mindy Christianson (USA) Molly Moravek (USA) (Chair) Richard Anderson (UK) Shuo Xiao (USA) Tyler Ketterl (USA) Veronica Gomez-Lobo (USA) Yasmin Jayasinghe (Australia)	Oncofertility Consortium & Henry Ford Health + Michigan State University Health Sciences  Amanda Ishola (USA) Harmony Van Valkenberg (USA) Jenna French (USA) Kristin Smith (USA) Mahmoud Salama (USA) Molly Moravek (USA) Richard Leach (USA) Sakiya Duncan (USA) Suzanne Schut (USA) Teri Grieb (USA)

### Abstract Book 2024



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1 Filipino Pediatric Hematologists and Oncologists' Knowledge, Attitudes and Practices on Fertility Preservation

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2 Cryopreservation Of Porcine Testicular Tissue By Slow And Fast Freezing: Our Experience

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Development and Pilot of Trainers in Oncofertility Reproductive Communication and Health (TORCH) program Dona Jalili, M.S., Susan T Vadaparampil, Ph.D., Jessica Rose, MD, Gwendolyn P Quinn, Ph.D. NYU Grossman School of Medicine, Moffitt Cancer Center, NYU Langone Health, NYU Langone Health USA

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4 How AYA Cancer Survivors Gather Information: A Survey on Social Networking Services Usage Klyo Masaki

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Testicular Tissue Cryopreservation: Significance of Implementing an IRB-approved Local Protocol at a Single Institution

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Perspectives & motivational factors surrounding decision-making in women with cancer considering fertility preservation: a prospective survey-based study.

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## 7 Future Fertility Among Adolescent and Pediatric Cancer Survivors in a Low-resource Setting: Perspectives of Parents

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### 8 Reproductive Health Education for Young Multiple Sclerosis Patients

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# 9 Trends in Oncofertility Consultation Following Implementation of a Fertility Navigation Program: A Single Center Experience

Elizabeth Hovel MD MPH (1), Kathryn Tomlinson BSN RN (2), Rachel Phelan MD MPH (1), Jocelyn Morin MPH (2), Kathryn Robbins DNP (2), Julie Nichols BSN RN (2), Debra Schmidt MSN (2), Kerri Becktell MD MS (1) 1= Medical College of Wisconsin, 2= Children's Hospital of Wisconsin USA

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# Testing a novel family-centered fertility preservation decision-making intervention for AYA males with cancer: Results from a pilot RCT

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# Successful case of oocyte retrieval in a patient receiving blinatumomab therapy for acute lymphoblastic leukemia

Ainslie Johnson, Dr. Emma Giuliani, Dr. Allison Close, Rachel Laughlin

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### Factors Associated with Gamete/Embryo Cryopreservation: 10-Year Oncofertility Program Experience in 12 Georgia, USA Anastasia Navitski MD, Mayra Razo BS, Lawrence C. Layman MD, Larisa Gavrilova-Jordan MD Medical College of Georgia at Augusta University USA anavitski@augusta.edu 13 Increasing Monitoring of Pubertal Development in Pediatric Patients Post-Hematopoietic Stem Cell Transplant Using Quality Improvement Methodology. Danielle Morley, BSN, RN, CPHON, Vrunda Patel, MD, Clara Greskoff, Kimberly A. Davidow, MD, MS Lisa Dean Moseley Foundation Institute for Cancer and Blood Disorders, Nemours Children's Health - Delaware, Wilmington, DE; Adolescent Medicine and Gynecology, Nemours Children's Health-Delaware, Wilmington, DE USA danielle.morley@nemours.org "I think it was informative, navigable, and easy to understand": User-testing an oncofertility decision support 14 website for adolescents and parents Ashley J. Housten, OTD, MSCI; Michelle Eggers, MA; Kari Bjornard, MD, MPH; Stephanie Dixon, MD, MPH; Holly R. Hoefgen, MD; Aubri Hoffman, PhD; Kenan R. Omurtag, MD; Taryn Sandheinrich, FNP-C; Terri Woodard, MD Washington University School of Medicine; Siteman Cancer Center; Riley Hospital for Children, Indiana University School of Medicine; St. Jude Children's Research Hospital; Dell Medical School and The University of Texas at Austin; The University of Texas MD Anderson Cancer Center USA ahousten@wustl.edu 15 Diversity and Inclusion of Cancer Survivors Seeking Fertility Preservation Meghan Schrer, Lesley E. Northrop Worth the Wait Charity, LDGI LLC USA lnorthrop@ldgillc.com Cycle Outcomes Are Reassuring Following Remote Ivf For Medically Complex Patients 16 Michael Britt (Presenting Author), Minglei Bian, Liang Yu, Amy Sullivan, Hani El-Omrani, Sangita Jindal, Ginny Ryan Eastern Virginia Medical School, University of Washington USA mibritt@uw.edu 17 Ethical, Legal, Social, and Policy Issues of Ovarian Tissue Cryopreservation in Prepubertal Girls: A Critical Interpretive Review Aliya Affdal, Mahmoud Salama, Vardit Ravitsky University of Montreal, Montreal, Canada; Michigan State University, Michigan, USA; Harvard Medical School, Boston, USA USA oulaya.affdal@umontreal.ca Oncofertility in Prepubescent Girls: A Qualitative Study of Canadian and French Oncopediatricians 18 Perspectives on Ovarian Tissue Cryopreservation

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Development of A Toolkit to Improve Multi-level Fertility Preservation Mandate Implementation
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Factors Associated with Fertility Preservation Referral and Completion in Pediatric Patients Receiving

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**Gonadotoxic Therapies** 

21 Improving Infertility Risk Counseling for Pediatric Oncology Patients Considering New Healthcare Coverage Changes in the State of Texas

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22 Oocyte Retrieval in a Patient with Complex Ovarian Masses: Risk versus Reward

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23 Sexual function and satisfaction in patients with sickle cell disease (SCD) after hematopoietic cell transplantation (HCT): a STELLAR study.

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24 Extended Priming and Modified In Vitro Maturation: A Novel Approach to Fertility Preservation in Patient with Autoimmune Primary Ovarian Insufficiency

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- Posthumous Reproduction in Male Oncology Patients: Significant Desire for Disposition to Surviving Partner Alexander MV (1), Reynolds AC (1), Ghidei L (3), Kassab J (3), Campbell K (3), Sullivan J (3), Detti L (1), Woodard TL (1,2), Lipshultz LI (3), McKenzie LJ (1, 2)
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26 Sperm Banking Prior to Cancer Therapy: Elapsed Time to Specimen Use or Discard

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27 Safety of comparing standard ovarian stimulation with tamoxifen or letrozole in women with breast cancer. A long-term follow-up of the STIM-trial.

Bo F Paans, Madelon van Wely, Ina CM Beerendonk, Jan Peter de Bruin, Astrid EP Cantineau, Taghride Dahhan, Nicole F Klijn, Leonie A Louwe, Jesper MJ Smeenk, Mariëtte Goddijn, Eva ME Balkenende Amsterdam University Medical Center, Amsterdam, The Netherlands.

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28 Expert and Stakeholder Views on Posthumous Assisted Reproduction Policy: a Qualitative Study
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29 Fertility Discussion and Specialist Referrals for Female AYA Patients with Cancer: A Mixed-Methods Exploration Where Guidelines Meet Practice

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Longitudinal gonadal function and fertility outcomes in female pediatric and young adult allogeneic hematopoietic stem transplant survivors



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31 Management and Growth of Oncofertility Program with Dedicated Oncofertility Team and Resources: A Single Institution Experience

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32 Fertility Preservation in Adolescent with a Brain Tumor Whose Decision-making Capacity was Acutely Impaired

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An ex vivo polycystic ovary syndrome (PCOS) model provides valuable insights into the elucidation of molecular mechanisms of PCOS-related ovarian disorders and the optimization of in vitro maturation for infertility treatment

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Developing and testing a novel educational reproductive health and fertility tool for Adolescent and Young Adult (AYA) patients with cancer



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Mail-in Semen Cryopreservation System Breaks Down Age, Geographic, and Socioeconomic Barriers

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Daniel Civello 3, Kyle E. Orwig 8, James F. Smith 3,7

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36 Surgical Fertility Preservation Can Be Performed Safely and Without Delaying Treatment for Patients with Severe Aplastic Anemia

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Low anti-Mullerian hormone in female childhood cancer survivors in SJLIFE is associated with primary ovarian insufficiency and impaired fertility



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38 Generating a Web-Based Reproductive Risk Summary and a Reproductive Health Survivorship Care Plan for Adolescent and Young Adult Cancer Survivors

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Follicular findings in autoimmune oophoritis: 3 cases from the NIH ovarian tissue cryopreservation protocol Carolyn Brookhart, Veronica Gomez-Lobo, Jacqueline Maher NICHD, Children's National Hospital (same for all)

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**Beyond the Radiation Field: Examining the Utilization of Ovarian Transposition in Cervical Cancer** Catherine Sport B.S., Stella C. Lymberis M.D.

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Review of Fertility-Related Charitable Organizations Eligibility for Non-US Citizens and Non-Residents. Heather Soni CPNP-PC, Alicia Howell FNP-C, Stephanie Fetzko MD

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Time to Chemotherapy Initiation is a Barrier to Oncofertility Counseling in Pediatric Cancer Patients
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43 An in vitro 3D ovarian follicle growth system combined with vitrification preserves follicle and oocyte functionality

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44 Concurrent application of neutral red and trypan blue stains for assessing viability in fresh and cryopreserved bovine ovarian tissue.

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45 Ovarian Follicle Density In The Child Adolescent And Young Adult (CAYA) Cancer Population

Madhura Jayasingam, Michael Assis, Debra Gook, Tom Kelsey, Richard A Anderson, Jacqueline C Yano, Veronica Gomez-Lobo , Yasmin Jayasinghe



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# 46 Pediatric Oncofertility Care Trajectory in a University Hospital Based IVF Program Setting - Continuous Improvement of Patient Care and Experience

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# 47 Oncofertility-related Psycho-educational Therapy for Young Adult Breast Cancer Patients and Their Partners: Randomized Controlled Trial

Tomoe Koizumi, Kouhei Sugimoto, Tatsuro Furui, Yasushi Takai, Yodo Sugishita, Yuki Suzuki-Takahashi, and Nao Suzuki

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## 48 Understanding the Impact of New York State's Fertility Preservation Mandate on Utilization of Services Joyce Reinecke, Ella Crowther

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# 49 Demographic characteristics of pediatric and adolescent patients undergoing fertility preservation consult versus procedure

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# A Single Institution Review of Fertility Preservation Referral and Outcome Trends in Transgender and Nonbinary Adolescents and Young Adults

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### 51 Dysregulated menstrual cycles are common in patients after ovarian cryopreservation Kathy Hinkle RN, Briana Fodor CRC, Alexandra Walsh MD, MSPH Phoenix Children's Hospital Center for Cancer and Blood Disorders **USA** awalsh@phoenixchildrens.com 52 Building an Academic-Community Partnered Pediatric, Adolescent, and Young Adult Fertility Preservation Lindsay F. Schwartz, MD MS1\*; on behalf of the Chicagoland Children's Health Alliance (CCHA) Pediatric, Adolescent, and Young Adult Fertility Preservation Program University of Chicago, Department of Pediatrics, Section of Pediatric Hematology/Oncology USA lindsay.schwartz@uchicagomedicine.org Investigating the Impact of Immunodeficiency and Autoimmune Conditions on Ovarian Follicle Density in 53 Pediatric Stem Cell Transplant Patients Mary E. Soliman1, Jacqueline C. Yano Maher1, Dimana Dimitrova2, Corina Gonzalez3, Elizabeth Kang4, Hong Lou1, Maria De La Luz Sierra1, and Veronica Gomez-Lobo1 1Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), Department of Pediatric and Adolescent Gynecology, Bethesda, MD 2National Cancer Institute (NCI), Center for Immuno-Oncology, Bethesda, MD 3National Cancer Institute (NCI), Immune Deficiency Cellular Therapy, Bethesda, MD 4National Institute of Allergy and Infectious Diseases (NIAID), Bethesda, MD USA mary.soliman2@nih.gov 54 Global Voices, Unified Vision: Crafting an International Nursing Position Statement Lisa Bashore, Barbara Lockart, Catriona Buick, Kara Jamieson, Antonia Pryor, Kyle Stimpert, Katie Wiley APHON, CANO-ACIO, ONS USA blockart@luriechildrens.org 55 Sperm recovery while processing testicular tissue of peri-pubertal and adult patients for fertility preservation Amanda Colvin Zielen (1,2), Kyle Orwig (1,2) 1- UPMC Magee Center for Reproduction and Transplantation, Magee-Womens Hospital, University of Pittsburgh Medical Center, Pittsburgh, PA, USA, 2 - Department of Obstetrics, Gynecology and Reproductive Sciences, Magee-Womens Research Institute, University of Pittsburgh School of Medicine, Pittsburgh, PA, USA USA zielena@upmc.edu Sperm Safe: Maximizing the Preservation and Recovery of Limited Numbers of Male Germ Cells 56 Hoi Chang Lee 1, Drew Klemann 2, Tahlia Smith 2, Francesca E. Duncan 1 1Department of Obstetrics and Gynecology, Feinberg School of Medicine, Northwestern University, Chicago, IL 2Center for Reproductive Science, Masters of Reproductive Science & Medicine Program Northwestern University, Chicago, IL USA

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