

2023 ONCOFERTILITY CONSORTIUM CONFERENCE NOVEMBER 6-8, 2023

Presented by:





WELCOME TO THE 2023 ONCOFERTILITY CONSORTIUM CONFERENCE

On behalf of Magee-Womens Research Institute & Foundation and the Oncofertility Consortium, we welcome you to the 15th Annual Oncofertility Conference, Oncofertility: Current Debates and Clinical Conundrums. This year's meeting will help set the agenda for fertility preservation research and practice over the coming years. With attendees from across the globe coming to participate in the 2023 Conference, this diverse group will share their research and develop new oncofertility goals and initiatives for the upcoming years.

This year marks the second time the Oncofertility Consortium Conference has been held in Pittsburgh. We are thrilled to host an in-person conference at The Westin Pittsburgh Hotel located at the confluence of Pittsburgh's three rivers. A pre-conference hands-on workshop on ovarian and testicular tissue processing and cryopreservation will also be held at the Orwig Lab.

Day 1 starts with concurrent meetings of the Oncofertility Consortium scientific committees. These meetings are open to all registered conference attendees in a hybrid in-person/virtual format to enhance accessibility and participation by the international membership of each committee. The first day also features a variety of workshops, including Fellow Education Day, ECHO Training, and Patient Navigation Workshop. The varying workshops will train fellows, physician assistants, patient navigators, nurses, social workers, and psychologists as well as model a team approach to oncofertility care and counseling. Days 2 and 3 will consist of panel discussions, traditional lectures with poster sessions, and networking opportunities interspersed throughout the program. Be sure to maximize your time here to expand your professional network, and stop by our exhibitor tables and advocacy tables.

We are delighted that this program has been so well received by a multidisciplinary community of researchers, physicians, allied health professionals, patients, and patient advocates. There is a clear appetite for oncofertility educational programs, and we encourage all attendees to bring their newfound knowledge back to their home institutions. Together, we are training the next generation of leaders and increasing oncofertility awareness around the globe.

Thank you all for attending the 2023 Oncofertility Consortium Conference. A special thanks to all the supporters who made this conference possible. You are the multidisciplinary community that we have all come to appreciate about the Oncofertility Consortium Conference. The 16th Annual Conference of the Oncofertility Consortium will be held in the Fall of 2024. More information about the 2024 date and venue will be coming soon.









2023 ONCOFERTILITY CONSORTIUM CONFERENCE PROGRAM COMMITTEE



Claus Yding Andersen, DMSc, ESHRE
Scientific Director, Laboratory of Reproductive Biology
Professor, Human Reproductive Physiology
Faculty of Health and Medical Sciences
University of Copenhagen
University Hospital of Copenhagen



Isabelle DeMesteere, MD, PhD *Director,* Research Laboratory
on Human Reproduction *Professor,* University of Brussels



Clarisa Gracia, MD, MSCE
Professor of Obstetrics and Gynecology
and the Chief of the Division of Reproductive
Endocrinology and Infertility
Medical Director, Penn Fertility Care
University of Pennsylvania



Molly Moravek, MD, MPH, MSCI
(Conference Co-Chair)

Assistant Professor, Department of Obstetrics
and Gynecology, Division of Reproductive
Endocrinology and Infertility and Department of Urology
Director of the Fertility Preservation Program
and the IVF Medical Director, University of Michigan



Julie Rios, MD (Conference Co-Chair)

Associate Professor, Department of Obstetrics,
Gynecology and Reproductive Sciences
Division Director, Reproductive Endocrinology
and Infertility
Fellowship Director, Reproductive
Endocrinology and Infertility Training Program
University of Pittsburgh, UPMC Magee-Womens Hospital



Kenny Rodriguez-Wallberg, MD, PhD
Adjunct Professor, Department of Oncology
and Pathology
Senior Consultant, Reproductive Medicine Clinic
Karolinska Institutet
Karolinska University Hospital



Mahmoud Salama, MD, PhD
Assistant Professor of Obstetrics & Gynecology
Director, Oncofertility Consortium
Michigan State University

The Oncofertility
Consortium is
a multidisciplinary
community examining
how to integrate
fertility preservation
conversations with
physicians and families
amid a devastating
disease diagnosis.



Thank you to the Sponsors of the 2023 Oncofertility Consortium Conference

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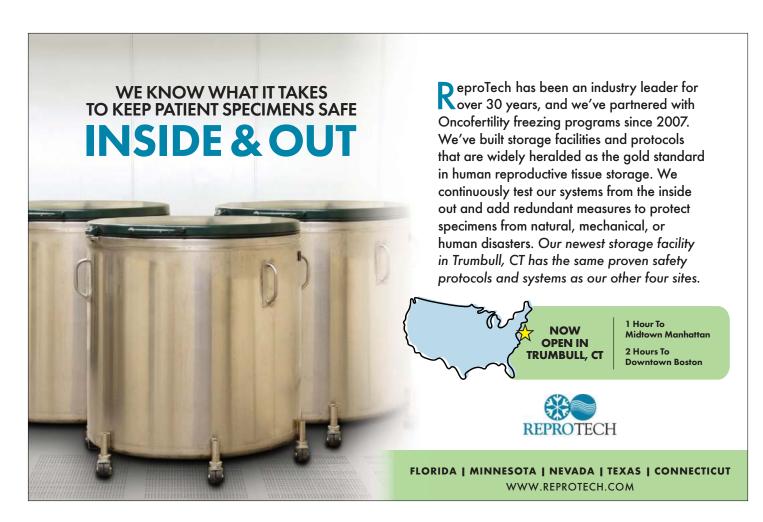














AGENDA

PRE-CONFERENCE AGENDA: Hands-On Workshop

Sunday, November 5, 2023, 8:30 A.M. - 3:00 P.M. Magee-Womens Research Institute

8:30 A.M.	Board shuttle in front of The Westin Pittsburgh to travel to Magee-Womens Reearch Institute 204 Craft Avenue, Pittsburgh, PA 15213
9:00 A.M 3:00 P.M.	Orwig lab at Magee-Womens Research Institute Lunch provided
3:00 P.M.	Board shuttle in front of Magee-Womens Reearch Institute to travel back to The Westin Pittsburgh

CREATING A BETTER FUTURE TOGETHER.

We are proud to support Magee-Womens Research Institute & Foundation and the **15th Annual Oncofertility Consortium**.





AGENDA: DAY 1

Monday, November 6, 2023, 7:30 A.M. – 8:00 P.M. The Westin Pittsburgh, 2nd floor

7:30 - 8:00 A.M.	Registration/Continental Breakfast/Networking - 2nd fl Foyer			
	Westmoreland Room	Cambria Room	Somerset Room	Fayette Room
8:00 - 10:00 A.M.	Female Oncofertility	Male Oncofertility	ECHO Training Workshop	Fellow Education Day-A
10:00 A.M 12:00 P.M.	Pediatric Initiative Network	OPEN	ECHO Training Workshop	Fellow Education Day-A
12:00 - 1:00 P.M.	12:00 - 1:00 P.M. Lunch Break - Penn City Grill, 2nd fl			
1:00 - 3:00 P.M.	Practice Committee	Startup + SOAR Committee	Patient Navigation Workshop	Fellow Education Day-B
3:00 - 5:00 P.M.	Surgery Committee	Non-Oncology Fertility Preservation Committee	Patient Navigation Workshop	Fellow Education Day-B
5:30 P.M.	Board shuttles in front of The Westin Pittsburgh to travel to The Assembly			
6:00 P.M.	Reception - The Assembly, 5051 Centre Avenue, Pittsburgh, PA 15213			
6:30 P.M.	Welcome - Robert Edwards, MD Chief Medical Officer, UPMC Community and Ambulatory Division McCall Endowed Chair and Professor, Obstetrics, Gynecology, and Reproductive Sciences University of Pittsburgh School of Medicine Updates from the NICHD Ovarian Nomenclature Workshop Veronica Gomez-Lobo, MD (National Institutes of Health, USA)			
	Position Statement on Fertility Preservation by Three Nursing Organizations Barbara A. Lockart, DNP, APN/CNP PC & AC, CPHON (Ann & Robert H. Lurie Children's Hospital of Chicago, USA) Kyle Stempert, APN (Cleveland VA Hospital, USA)			
8:15 P.M.	Board shuttles in front of The Assembly to return to The Westin Pittsburgh			

AGENDA: DAY 2

Tuesday, November 7, 2023, 7:30 A.M. - 7:00 P.M.

The Westin Pittsburgh, 3rd floor

7:30 - 8:00 A.M.	Registration - Conference Foyer Continental Breakfast/Networking - Ballroom 1
8:00 - 8:15 A.M.	Welcome: Conference Chairs – Ballrooms 2 & 3 Molly Moravek, MD, MPH, MSCI (University of Michigan, USA) Julie Rios, MD (University of Pittsburgh, USA) Richard Beigi, MD (<i>President</i> , UPMC Magee-Womens Hospital, USA) Michael Annichine (<i>CEO</i> , Magee-Womens Research Institute & Foundation, USA)

8:15 - 9:00 A.M.

KEYNOTE SPEAKER - ADVANCES IN MALE FERTILITY PRESERVATION



Kyle Orwig, PhD (University of Pittsburgh, USA)

Professor, Obstetrics, Gynecology and Reproductive Medicine

Director, UPMC Magee Center for Reproduction and Transplantation

Director, Fertility Preservation Program of UPMC

Magee-Womens Research Institute

University of Pittsburgh School of Medicine

	Morning Session: Tissue Cryopreservation Moderator: Isabelle Demeestere, MD, PhD (University of Brussels, Belgium)
9:00 - 10:00 A.M.	Ovarian Tissue Cryopreservation (OTC): Experiences from Around the World Debate: Vitrification vs. Slow Freeze
	Moderator: Kyle Orwig, PhD (University of Pittsburgh, USA)
	Panel: Rebecca Flyckt, MD, MPH, MSCI (University of Michigan, USA) Claus Yding Andersen, DMSc, ESHRE (University of Copenhagen, Denmark) Debra Gook, PhD (Royal Women's Hospital, Australia) Sherman Silber, MD (Infertility Center of St. Louis, USA)
10:00 - 10:30 A.M.	Reimplantation of Malignant Tissue Dror Meirow, MD (Sheba Medical Center, Israel) (via ZOOM)
10:30 - 10:45 A.M.	Break/Poster Set-Up - Ballroom 3 Foyer
10:45 - 11:30 A.M.	Ovarian Cancer Tissue Cryopreservation (OTC): Experiences from Around the World Debate: Vitrification vs. Slow Freeze Sherman Silber, MD (Infertility Center of St. Louis, USA) (VIT) Debra Gook, PhD (Royal Women's Hospital, Australia) (SF)
11:30 A.M 12:00 P.M.	Tissue Cryopreservation for Patients with Differences in Sex Development Monica Laronda, PhD (Northwestern University, USA)
12:00 - 1:00 P.M.	Lunch/Networking - Ballroom 1 View Posters - Ballroom 3 Foyer

AGENDA: DAY 2 (cont.)

Tuesday, November 7, 2023, 7:30 A.M. – 7:00 P.M. The Westin Pittsburgh, 3rd floor

	Afternoon Session: 'Experimental' Treatments and Techniques Moderator: Molly Moravek, MD (University of Michigan, USA)
1:00 - 1:45 P.M.	Debate: GnRH Agonist for Ovarian Protection: Pros and Cons Matteo Lambertini, MD, PhD (University of Genova, Italy) (PROS) Kenny Rodriguez-Wallberg, MD, PhD (Karolinska Institutet, Sweden) (CONS)
1:45 - 2:15 P.M.	<i>Uterine Flipping</i> Romina Pesce, MD (Hospital Italiano de Bueno Aires, Argentina)
2:15 - 2:45 P.M.	In Vitro Maturation Claus Yding Andersen, DMSc, ESHRE (University of Copenhagen, Denmark)
2:45 - 3:15 P.M.	Break/Poster Set-Up - Ballroom 3 Foyer
3:15 - 3:45 P.M.	Uterine Transplant Rebecca Flyckt, MD, MPH, MSCI (University of Michigan, USA)
3:45 - 5:00 P.M.	Patient and Advocate Panel
	Moderator: Kyle Orwig, PhD (University of Pittsburgh, USA)
	Panel: Megan Scherer (Caregiver, Worth the Wait Charity) Mike Scherer (Cancer survivor, sperm cryo, father, Worth the Wait Charity) Danya Kaye (Cancer survivor, OTC, OTT, two children, Alliance for Fertility Preservation Contributor) Whitney Gastmeyer (ovarian tissue cryopreservation with Sherman Silber) Jaiwen Hsu (testicular tissue cryopreservation)
5:00 - 7:00 P.M.	Reception/Networking/View Posters - Ballroom 2 & 3 Foyer

"Over the years, the conference has helped foster an international community of people with a common interest in ensuring the highest quality of life for survivors of cancer and other conditions, including the possibility of having children. And so, we start to work together around that issue." — KYLE ORWIG, PHD

AGENDA: DAY 3

Wednesday, November 8, 2023, 7:30 A.M. – 3:45 P.M. The Westin Pittsburgh, 3rd floor

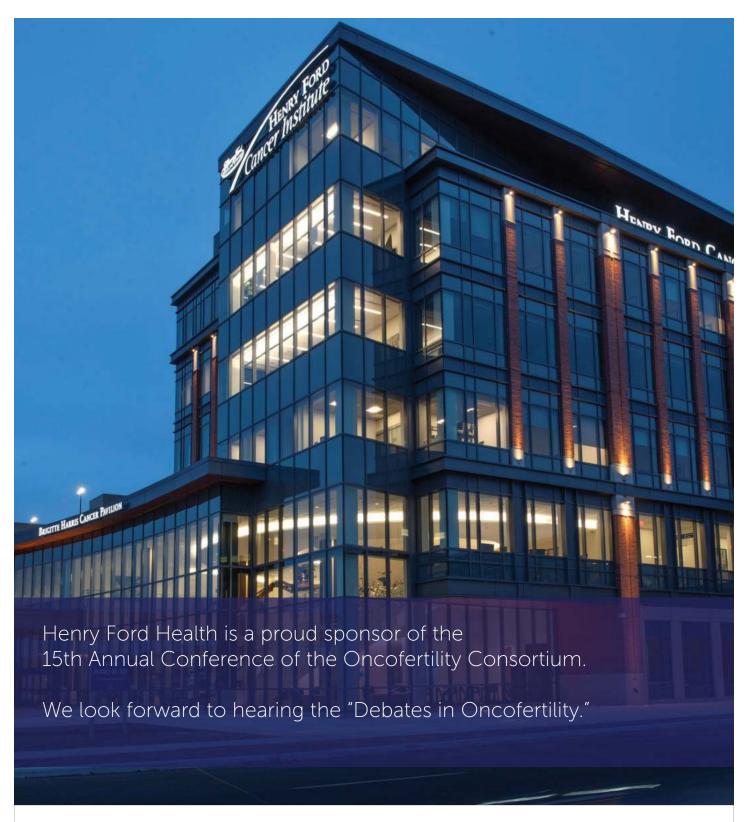
7:30 - 8:00 A.M.	Continental Breakfast/Networking - Ballroom 1
	Morning Session: Clinical Conundrums Moderator: Leslie Appiah, MD, (University of Colorado, USA)
8:00 - 8:30 A.M.	Fertility Preservation in the Context of Low-Resource Settings Dana Kimelman, MD, MS-RSM (Hospital Pereira Rossell, Uruguay)
8:30 - 9:00 A.M.	Fertility Preservation for Low/Medium Risk Youth Isabelle DeMesteere, MD, PhD (University of Brussels, Belgium)
9:00 - 10:00 A.M.	ORAL ABSTRACT PRESENTATIONS AND AWARDS
	Assessing attitudes and understanding of ovarian tissue cryopreservation at annual follow up: A telephone interview survey Alexandra Piselli, MS, (Georgetown University, USA)
	Vitrification preserves follicle and oocyte functionality in an encapsulated in vitro follicle growth system Jiyang Zhang, PhD (Rutgers University, USA)
	Does fragment size affect follicular survival following slow-freeze and thaw in the bovine model? Jennia Michaeli, MD (University of Toronto, Canada)
	Dreaming big: Providing ASCO guideline concordant oncofertilty care for AYA patients Sarita Pathak, MPH (New York University, USA)
10:00 - 10:30 A.M.	Break/View Posters - Ballroom 3 Foyer
10:30 - 11:15 A.M.	Debate: Ovarian Tissue Cryopreservation vs Oocyte Cryopreservation Julie Rios, MD (University of Pittsburgh, USA) (oocyte) Dror Meiro, MD (Sheba Medical Center, Israel) (via ZOOM)
11:15 A.M 12:00 P.M.	Ethical Dilemmas in Fertility Preservation Gwendolyn Quinn, PhD (New York University, USA)
12:00 - 1:00 P.M.	Lunch/Networking - Ballroom 1 NOTE: Posters should be removed between 12:00 and 2:00 P.M.
	Afternoon Session: Fertility Preservation in Non-Oncologic Populations Moderator: Julie Rios, MD, (University of Pittsburgh, USA)
1:00 - 1:30 P.M.	Fertility Preservation for Patients at Risk for Primary Ovarian Insufficiency Veronica Gomez-Lobo, MD (National Institutes of Health, USA)

AGENDA: DAY 3 (cont.)

Wednesday, November 8, 2023, 7:30 A.M. – 3:45 P.M. The Westin Pittsburgh, 3rd floor

1:30 - 2:00 P.M.	Klinefelter Syndrome James Kashanian, MD (Weill Cornell Medicine, USA)
2:00 - 2:45 P.M.	Fertility Preservation in Non-Oncologic Populations - Sickle Cell Disease in Females and Males Leena Nahata, MD (The Ohio State University, USA) (Male) Jacquie Maher, MD, MA (National Institutes of Health, USA) (Female)
2:45 - 3:30 P.M.	Fertility Preservation for Transgender and Gender Diverse Patients Molly Moravek, MD, MPH, MSCI (University of Michigan, USA) Kenny Rodriguez-Wallberg, MD, PhD (Karolinska Institutet, Sweden)
3:30 - 3:45 P.M.	Wrap-Up
3:45 P.M.	Meeting Adjourns







2023 ONCOFERTILITY CONSORTIUM CONFERENCE POSTERS



Denotes winner of an abstract award and oral presentation

POSTER #	TITLE, AUTHORS, INSTITUTIONS - PRESENTING AUTHOR UNDERLINED
1	Addressing the unmet sexual health needs of an aya with cancer: the role of the aya nurse
	<u>Meagan Zwahlen Robinson</u> ; Donna Bell
	MD Anderson Cancer Center
2	Sodium thiosulfate is not beneficial for the ovarian reserve exposed to cisplatin
	Wonmi So'; Amirhossein Abazarikia'; Mary B. Zelinski ^{2,3} ; So-Youn Kim ^{1,4}
	¹ Olson Center for Women's Health, Department of Obstetrics and Gynecology, College of Medicine, University of Nebraska Medical Center, Omaha, NE
	² Division of Reproductive & Developmental Sciences, Oregon National Primate Research Center, Oregon Health & Science University, Beaverton, OR
	³ Department of Obstetrics and Gynecology, School of Medicine, Oregon Health & Science University, Portland, OR
	⁴Fred and Pamela Buffett Cancer Center, University of Nebraska Medical Center, Omaha, NE
3	Understanding the mechanism of cisplatin-induced apoptosis in ovarian reserve
	Amirhossein Abazarikia ¹ ; Wonmi So ¹ ; So-Youn Kim ^{1,2}
	¹ Olson Center for Women's Health, Department of Obstetrics and Gynecology, College of Medicine, University of Nebraska Medical Center, Omaha, NE
	² Fred & Buffett Cancer Center, Eppley Institute for Research in Cancer and Allied Diseases, University of Nebraska Medical Center, Omaha, NE
4	Improvement in fertility preservation consultation with emr smartform documentation and a RN navigator
	<u>Tyler Ketterl</u> ^{1,2,3} ; Kelsey Balmelli ¹ ; Angela Forbes; Kristin Gard ¹ ; Adrienne Hall ¹ ; Kalee Carson ¹ ; Mary Field ¹
	'Seattle Children's Hospital, Seattle, WA
	² University of Washington, Seattle, WA
	³ Ben Towne Center for Childhood Cancer Research, Seattle, WA
5	Comprehensive fertility preservation can be offered in a timely manner around gonadotoxic therapy in children
	Kathryn L. McElhinney ^{1,2,4} ; Samantha K. McLean ^{1,2,3} ; Monica M. Laronda ^{1,2,3} ; Erin E. Rowell ^{1,2,4}
	'Fertility & Hormone Preservation & Restoration Program, Division of Pediatric Surgery, Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL
	² Stanley Manne Children's Research Institute, Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL
	³ Department of Pediatrics, Feinberg School of Medicine, Northwestern University, Chicago, IL
	⁴ Department of Surgery, Feinberg School of Medicine, Northwestern University, Chicago, IL
6	Mapping complexity in oncofertility decision making: an ongoing survey
	Practice Committee of the Oncofertility Consortium
7	Determinants of decision regret regarding fertility preservation in adolescent and young adult cancer survivors: A systematic review
	Hannah Kuntz, BS; <u>Jessica Santucci</u> , BS; Samantha Butts, MD; Smita Dandekar, MD; Gayle Smink, MD, MPH; Lauren Jodi Van Scoy, MD; Pooja Rao, MD, MSCE
	Penn State College of Medicine
8	Closing the gap on the unmet fertility needs of adolescent and young adults with cancer
	Janae Harris¹, RN, BSN, CPHON; Meagan Zwahlen Robinson¹, RN, BSN, CPHON
	¹ University of Texas MD Anderson Cancer Center
9	Estradiol levels and time to chemotherapy in women with breast cancer - Do we have anything to fear?
	Esther Lai ¹ ; <u>Hemashree Rajesh</u> ^{1,2,3} ; Nurliah Md Moor ³
	¹Yong Loo Lin School of Medicine
	² Duke NUS School of Medicine
	³ Singapore General Hospital

Grupo Gamma Rosario, Argentina

POSTER	
10	Exploring the current state of the foster care and adoption systems in cancer and reproductive health: a questionnaire survey
	Kiyo Masaki
	The International Center for Reproductive Medicine, Dokkyo Medical University, Saitama Medical Center
11	Patient experiences prior to medically indicated fertility preservation
	<u>Gabriella Ficerai-Garland</u> ¹ ; Alexandra A. Szczupak ² ; Amanda Colvin Zielen ² ; Rachel E. Neelley ² ; Julie M. Rios ² ; Kyle E. Orwig ²
	¹ University of Pittsburgh School of Medicine
	² Department of Obstetrics, Gynecology and Reproductive Sciences, Magee-Womens Research Institute, University of Pittsburgh School of Medicine
12	Reproductive goals following adolescent and young adult (AYA) cancer: Perceived consequences of (no) fertility preservation
	Taylor M. Dattilo¹; Leah Waterman²; Larry L. Mullins¹; Catharina C.M. Beerendonk³; <u>Vicky Lehmann</u> ².4
	¹ Center for Pediatric Psychology, Oklahoma State University, Stillwater, Oklahoma
	² Department of Medical Psychology, Amsterdam University Medical Center, University of Amsterdam, Amsterdam, The Netherlands
	³ Department of Obstetrics and Gynecology, Radboud University Medical Center, Nijmegen, The Netherlands
	⁴ Cancer Center Amsterdam (CCA), Amsterdam, The Netherlands
13	Patient and family experience with an interprofessional fertility navigation program
	Kathryn Robbins ¹ , APNP; Kathryn Tomlinson ² , BSN, RN; Julie Nichols ² , BSN, RN; Deb Schmidt ² , APNP; Rachel Phelan ¹ , MD, MPH; <u>Kerri Becktell¹, MD, MS</u>
	¹ Division of Pediatric Hematology/Oncology, Department of Pediatrics, Medical College of Wisconsin, Milwaukee, W
	² Division of Pediatric Hematology/Oncology, Children's Wisconsin, Milwaukee, WI
14	Zip and transitional follicle stages are observed across several mammalian species
	Hana Kubo ^{1,2} ; <u>Christopher J. McCauley</u> ^{1,3} , MD; Elizabeth L. Tsui ^{1,2} ; Ashley A. Diaz ^{1,2} ; Monica M. Laronda ^{1,4} , PhD
	¹ Stanley Manne Children's Research Institute, Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, United States
	² Department of Pediatrics, Feinberg School of Medicine, Northwestern University, Chicago, IL, United States
	³ Division of Pediatric Surgery, Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, United States
	⁴ Department of Obstetrics and Gynecology, Feinberg School of Medicine, Northwestern University, Chicago, IL, United States
15	Assessing attitudes and understanding of ovarian tissue cryopreservation at annual follow up: A telephone interview survey
	Alexandra Piselli, MS; Jacqueline Maher, MD; Veronica Gomez-Lobo, MD
	Georgetown University School of Medicine
	Children's National Hospital
16	Optimizing cryoprotectant equilibrium during vitrification of individual macaque secondary follicles
	Mary B. Zelinski; Joseph Abrams; Alison Ting; Jessica Stanley; James Benson
	Division of Reproductive & Developmental Sciences, Oregon National Primate Research Center, Beaverton, OR
	Department of Biology, University of Saskatchewan, Saskatoon, Canada
	Reproductive Division (Gaia Life), Expanse Bio LLC, Charleston, SC
	Division of Reproductive & Developmental Sciences, Oregon National Primate Research Center, Beaverton, OR
	Department of Biology, University of Saskatchewan, Saskatoon, Canada
17	First year experience with an oncofertility nurse practitioner (np) navigator: Increased access, provider productivity, and revenue
	<u>Katherine Daunov</u> ; Kathryn Coyne; Angela Amaddio; Nannan Thirumavalavan; Rachel Weinerman; Joseph Findley; Rebecca Flyckt
	University Hospitals Cleveland Medical Center
18	Pregnancy after conservative treatment of neuroendocrine cervical cancer
	<u>Viviana Ventura</u> ; Valeria Paz; Pablo Gola; Andrea Pastor; David Polillo; Martin Riege

POSTER # TITLE, AUTHORS, INSTITUTIONS - PRESENTING AUTHOR UNDERLINED Combinatory effects of unilateral oophorectomy plus cyclophosphamide treatment 19 on ovarian reserve and fertility in a mouse model Elizabeth Varghese¹; Taylor Badger¹; Raghuveer Kavarthapu¹; So-Youn Kim²; Alexander Grinberg¹; Ramya Balasubramanian¹; Hong Lou¹; Maria De La Luz Sierra¹; Kelsey Mumford¹; Karl Pfeifer¹; Jennifer Levine³; Jacqueline Maher¹; Veronica Gomez-Lobo¹ ¹National Institute of Child Health and Human Development, Bethesda, MD ²Department of Obstetrics and Gynecology, University of Nebraska Medical Center, Omaha, NE ³Children's National Hospital, Washington D.C. Pathology evaluation of tissue removed for fertility preservation: The standard of care? 20 Kathryn L. McElhinney^{1,2,4}; Sierra M. Orr^{1,2}; Monica M. Laronda^{1,2,3}; Erin E. Rowell^{1,2,4} Fertility & Hormone Preservation & Restoration Program, Division of Pediatric Surgery, Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL ²Stanley Manne Children's Research Institute, Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL ³Department of Pediatrics, Feinberg School of Medicine, Northwestern University, Chicago, IL ⁴Department of Surgery, Feinberg School of Medicine, Northwestern University, Chicago, IL 21 Thaw survival, fertilization, and blastocyst development rates of autologous frozen oocytes are similar to donor frozen oocytes at a single institution Kathryn Coyne, MD; Katherine Daunov, AOCNP; Lauren Palavos, BS; James Hamrick, BS; Joseph Findley, MD; Rachel Weinerman, MD; Rebecca Flyckt, MD; Sung Tae Kim, PhD University Hospitals Cleveland Medical Center Vitrification preserves follicle and oocyte functionality in an encapsulated in vitro follicle growth system 22 <u>Jiyang Zhang</u>¹; Yingzheng Wang²; Daniela D. Russo^{3,4,5}; Riley S. Drake^{3,4,5}; Jessica E. Stanley⁶; Qiang Zhang⁷; Alex K. Shalek^{3,4,5}; Brittany A. Goods⁸; Mary B. Zelinski^{6,9}; and Shuo Xiao¹ Department of Pharmacology and Toxicology, Ernest Mario School of Pharmacy, Environmental and Occupational Health Sciences Institute (EOHSI), Rutgers University ²Weill Institute for Cell and Molecular Biology, Connell University ³Institute for Medical Engineering & Science, Department of Chemistry, and Koch Institute for Integrative Cancer Research, Massachusetts Institute of Technology ⁴Broad Institute, Harvard University & Massachusetts Institute of Technology

⁸Thayer School of Engineering, Dartmouth College ⁹Department of Obstetrics & Gynecology, Oregon Health & Science University

⁵The Ragon Institute of MGH, MIT and Harvard

23 Elucidating the effects of CAR-T cell therapy on ovarian follicle development in an AML tumor mouse model
Raghuveer Kavarthapu¹; Alka Dwivedi²; Lynn Fu²; Jacqueline Yano Maher¹; Christopher Chien²;

⁶Division of Reproductive & Developmental Science, Oregon National Primate Research Center ⁷Gangarosa Department of Environmental Health, Rollins School of Public Health, Emory University

Maria de la Luz Sierra¹; Nirali Shah²; Naomi Taylor²; Veronica Gomez-Lobo¹

Pediatric and Adolescent Gynecology, Eunice Kennedy Shriver National Institute of Child Health and Human Development, National Institutes of Health

²Pediatric Oncology Branch, Center for Cancer Research, National Cancer Institute, National Institutes of Health

24 Multi-omics analysis to elucidate mechanisms of chemotherapy-induced primary ovarian insufficiency

Wenlong Zhao¹; Yingzheng Wang²; Nina Punwani¹; So-Youn Kim³; Shuo Xiao¹

Department of Pharmacology and Toxicology, Ernest Mario School of Pharmacy, Environmental and Occupational Health Sciences Institute (EOHSI), Rutgers University

²Weill Institute for Cell and Molecular Biology, Cornell University

³Olson Center for Women's Health, Department of Obstetrics and Gynecology, College of Medicine, University of Nebraska Medical Center

POSTER # TITLE, AUTHORS, INSTITUTIONS - PRESENTING AUTHOR UNDERLINED A guiding light: Utilization of electronic health record dashboard 25 for pediatric and adolescent and young adult patient identification and fertility navigation. Kara Bendle¹, RN, MSN, CPN, CNL; Brittany Pettierre², BA; Stefanie Thomas², MD, MS; Seth Rotz², MD; John Molina¹, MD, EdM ¹Cleveland Clinic Childrens ²Cleveland Clinic Ovarian tissue cryopreservation (OTC) in pediatric centers across the United States: 26 Practice patterns and barriers Holly R Hoefgen¹, MD; Megan Pruett², MSN, CPNP; Veronica Gomez-Lobo³, MD; Leena Nahata⁴, MD; Chelsea A Kebodeaux⁵, MD; Amanda J Saraf⁶, DO Washington University in St. Louis School of Medicine, Division of Pediatric & Adolescent Gynecology, ²Aflac Cancer and Blood Disorders Center, Children's Healthcare of Atlanta, Atlanta, GA ³Eunice Kennedy Shriver National Institute of Child Health and Human Development Funding: NIH Z1A HD009005. ⁴The Ohio State University College of Medicine, Nationwide Children's Hospital, Pediatric Endocrinology 5Nationwide Children's Hospital, The Ohio State University College of Medicine, Division of Pediatric and Adolescent Gynecology 6Riley Hospital for Children at Indiana University, Division of Pediatric Hematology Oncology Process improvement to increase rates of sperm-banking in AYA patients 27 newly diagnosed with cancer: An institutional experience Taryn Sandheinrich², DNP, RN, FNP-C; Katie Schultz¹, MSN, RN; Robert J. Hayashi^{1,2}, MD; Holly Hoefgen, MD¹ ¹Washington University, St. Louis, MO ²Siteman Kids at St. Louis Children's Hospital, St. Louis, MO National oncofertility registries around the globe: A pilot survey 28 Noelle Ozimek¹, Mahmoud Salama², Teresa K. Woodruff² ¹Harvard Medical School, Boston ²The Oncofertility Consortium, Michigan State University, Department of Obstetrics & Gynecology, East Lansing 29 Psychoeducation about sexual health practices in adolescents and young adults (AYA) with cancer Ksenya Shliakhtsitsava¹, MD, MAS; Susan McCollom², RN, ND, CPHON, BMT-CN; Cindy Flom², RN, BSN CPHON; Elizabeth House², APRN, CPNP-PA/AC; Julie Germann³, PhD, ABPP Department of Pediatrics, Division of Pediatric Hematology-Oncology, University of Texas Southwestern Medical Center, Dallas TX ²Pauline Allen Gill Center for Cancer and Blood Disorders, Children's Health, Dallas, TX ³Department of Psychiatry, Children's Health, University of Texas Southwestern Medical Center, Dallas, TX 30 Systematic review of pharmacogenomics in infertility induced during paediatric oncology therapy Michael Assis^{1,4,5,6}; Tayla Stenta¹; Katie Ayers^{1,2}; Elena Tucker^{1,2}; Dhrita Khatri¹; Ben Felmingham¹; Claire Moore¹; David Elliott^{1,2}; Yasmin Jayasinghe^{4,5,6}; Rachel Conyers^{1,2,3} ¹Pharmacogenetics Team, Stem Cell Biology, Murdoch Children's Research Institute, Parkville ²Department of Paediatrics, University of Melbourne, Parkville, Melbourne ³Children's Cancer Centre, The Royal Children's Hospital, Melbourne ⁴Department of Obstetrics and Gynaecology, University of Melbourne, Parkville, Melbourne ⁵Oncofertility, Royal Children's Hospital, Parkville, Melbourne ⁶Royal Women's Hospital, Parkville, Melbourne Ovarian puncture is capable of ameliorate ovarian depletion induced by cyclophosphamide in mice 31 Camila Stefane Ferreira; Stella Pollyanne de Oliveira; Luiza Aparecida Ansaloni Chagas Pereira; Paulo Henrique Almeida Campos-Junior Laboratory for Reproductive Biology Research, Federal University of Sao Joao del Rei (UFSJ), Brazil

POSTER # TITLE, AUTHORS, INSTITUTIONS - PRESENTING AUTHOR UNDERLINED **32** Evaluating fertility preservation procedures in paediatric patients undergoing gonadotoxic treatment at the Royal Children's Hospital Melbourne Paterson S^{1,5}; Assis M^{1,5,6}; Gook D², McFadden K⁵; Elam L⁵; Navarro-Perez D^{1,5}; Stern K³; Anazodo A⁶; Anderson R⁴; Lantsberg D²; Jayasinghe Y^{1,5} ¹Department of Obstetrics, Gynaecology and Newborn Health, University of Melbourne, Parkville, Victoria, Australia ²Reproductive Services, Royal Women's Hospital, Parkville, Victoria, Australia ³School of Computer Science, University of St Andrews, St Andrews, UK ⁴MRC Centre for Reproductive Health, Queens Medical Research Institute, University of Edinburgh, Edinburgh, UK ⁵Oncofertility Program, The Royal Children's Hospital, Parkville, Victoria, Australia ⁶Stem Cell Biology, Murdoch Children's Research Institute, Parkville, Victoria, Australia Evaluating a fertility preservation decision aid with eye-tracking technology 33 Saggio I^{1,5}; Assis M^{1,5,8}; Jayasinghe Y^{1,5}; Peate M¹; Anazodo A³; McCarthy M¹⁰; Anderson RA⁴; Paulovich B¹¹; Jones G¹²; Gillam L⁸; Sullivan M⁷; Zacharin M⁶; Orme L⁷; Misiakos G¹¹; Allingham C¹; Sengupta P¹; Peters S²; Paynter C2; Sharifi M1,5 Department of Obstetrics, Gynaecology and Newborn Health, University of Melbourne, Parkville, Victoria, Australia ²School of Health Sciences, Faculty of Medicine, Dentistry and Health Sciences, University of Melbourne, Parkville, Victoria, Australia ³Adolescent and Young Adult Cancer at SCH and Prince of Wales Hospital, Randwick, New South Wales ⁴MRC Centre for Reproductive Health, Queens Medical Research Institute, University of Edinburgh, Edinburgh, UK ⁵Oncofertility Program, The Royal Children's Hospital, Parkville, Victoria, Australia ⁶Department of Endocrinology, The Royal Children's Hospital, Parkville, Victoria, Australia ⁷Children's Cancer Centre, The Royal Children's Hospital, Parkville, Victoria, Australia ⁸Children's Bioethics Centre, The Royal Children's Hospital, Parkville, Victoria, Australia ⁹Stem Cell Biology, Murdoch Children's Research Institute, Parkville, Victoria, Australia ¹⁰Clinical Sciences, Murdoch Children's Research Institute, Parkville, Victoria, Australia ¹¹Communication Design, Swinburne University of Technology, Hawthorn, Victoria, Australia ¹²Leeds Beckett University, Leeds, UK Taking charge of your fertility through a digital communication tool 34 Heather Kun¹; Hanna Christianson¹; Jewel Moore¹; Amanda Motion¹; Tait Oosthuizen² ¹F Cancer ²Lightyears 35 Ovarian histology and clinical findings in patients with sickle cell disease and beta thalassemia prior to hematopoietic stem cell transplant Ramya Balasubramanian¹, BS; Raghuveer Kavarthapu¹, PhD; Sarina Hanfling¹, BS; Ananya Krishnan¹, BS; Julia Bhuiyan¹; Maria De La Luz Sierra¹, MS; Hong Lou¹, MD; Lydia H. Pecker², MD; Robert Nickel³, MD; Veronica Gomez-Lobo¹, MD; Jacqueline Y. Maher¹, MD ¹National Institute of Child Health and Human Development, Bethesda, MD ²Division of Hematology, Department of Medicine, School of Medicine, Johns Hopkins University, Baltimore, MD ³Division of Hematology, Children's National Hospital, Washington, DC Clinical processes and patient factors associated with sperm cryopreservation 36 attempt in adolescent males with cancer Megan Pruett¹, CPNP; James Ludemann¹, CPNP; Sonia Hoey¹, RN; James L. Klosky^{1,2}, PhD, ABPP; Lillian R. Meacham^{1,2,3}. MD: Brooke Cherven^{1,2}. RN. PhD Aflac Cancer and Blood Disorders Center, Children's Healthcare of Atlanta, Atlanta, GA ²Department of Pediatrics, Emory University, Atlanta, GA ³Pediatric Endocrinology, Emory University, Atlanta, GA

University of Colorado, Anschutz Medical Campus

University of Colorado Hospital

POSTER # TITLE, AUTHORS, INSTITUTIONS - PRESENTING AUTHOR UNDERLINED From the OR to the freezer: Choosing the right media to transport ovarian tissue for fertility preservation **37** Myriam Safrai^{1,2}; Amanda C. Zielen¹; Kyle E. Orwig¹ ¹Department of Obstetrics, Gynecology and Reproductive Sciences, Magee-Womens Research Institute, University of Pittsburgh School of Medicine, Pittsburgh, PA ²Department of Obstetrics and Gynecology, Chaim Sheba Medical Center (Tel Hashomer), Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel Future fertility among pediatric cancer patients: Experience and perspectives of health workers 38 at the Uganda Cancer Institute Sarah McLaughlin⁹; Jennifer John¹⁰; Anthony Kayiira^{1,2}; Daniel Zaake¹; Serena Xiong³; Joyce Kambugu Balagadde⁴; Veronica Gomez-Lobo⁵; Henry Wabinga⁶; Rahel Ghebre⁷ ¹Department of Obstetrics and Gynecology, Uganda Martyrs University School of Medicine, Kampala, Uganda ²Department of Reproductive Endocrinology and Infertility, Mulago Specialized Women's and Neonatal Hospital, Kampala, Uganda ³University of Minnesota School of Public Health, Minneapolis, MN ⁴Department of Pediatric Oncology, Uganda Cancer Institute, Kampala, Uganda ⁵Department of Pediatric and Adolescent Gynecology, Eunice Kennedy Shriver National Institute of Child Health and Human Development, Bethesda, MD ⁶Kampala Cancer Registry, Makerere University College of Health Sciences, Kampala, Uganda ⁷Department of Obstetrics, Gynecology, and Women's Health, University of Minnesota, Minneapolis, MN ⁸Georgetown University School of Medicine, Washington, DC ⁹Stanford University, Stanford, CA A dozen years of ovarian tissue cryopreservation at a pediatric hospital: 39 Tracking program and patient metrics while adapting to increasing needs Kathryn L. McElhinney^{3,4,5}; Tara Kennedy^{3,4}; Erin E. Rowell^{3,4,5}; Monica M. Laronda^{1,2,3,4,5} ¹Department of Pediatrics, Division of Endocrinology, Feinberg School of Medicine, Northwestern University, Chicago, IL ²Department of Obstetrics and Gynecology, Feinberg School of Medicine, Northwestern University, Chicago, IL ³Department of Surgery, Division of Pediatric Surgery, Feinberg School of Medicine, Northwestern University, Chicago, IL ⁴Fertility & Hormone Preservation & Restoration Program, Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL ⁵Stanley Manne Children's Research Institute, Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL 40 Elucidating relationships between serum AMH and follicle density in pediatric ovarian tissue Sarina Nagpal Hanfling¹, BS; Jacqueline Y. Maher¹, MD; Ninet Sinaii¹, PhD, MPH; Ramya Balasubramanian¹, BS; Hong Lou¹, MD; Maria de la Luz Sierra¹, MS; Taylor Badger¹, BS; Hannah Anvari², MD; Veronica Gomez-Lobo¹, MD ¹National Institutes of Child Health and Human Development, Bethesda, MD ²Northwestern University Does fragment size affect follicular survival following slow-freeze and thaw in the bovine model? Madison Erb; Jennia Michaeli; Ted Brown; Scot Hamilton; Pat Chronis-Brown; Ellen Greenblatt Mount Sinai Fertility, Mount Sinai Hospital, Toronto University of Toronto Gynecologic care referrals among female cancer patients undergoing pelvic or total body irradiation: 42 A missed opportunity for fertility preservation Alejandro Valera; Karen Hampanda; Adeola Akapo; Fatima Mustaffa; Mary Sammel; Leslie Appiah

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	A.C. Zielen¹; M. Safrai¹²; R.E. Neelley¹; L.M. Wasser³; T. Chu¹; K.E. Orwig¹
	¹ Department of Obstetrics, Gynecology, and Reproductive Sciences, Magee-Womens Research Institute, University of Pittsburgh School of Medicine, Pittsburgh, PA
	² Department of Obstetrics and Gynecology, ChaimSheba Medical Center (Tel Hashomer), Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel
	³ Department of Ophthalmology, University of Pittsburgh School of Medicine, Pittsburgh, PA
44	Neutral red staining protocol to assess follicle viability in bovine ovarian tissue Madison Erb¹, MHSc; <u>Jennia Michae</u> l², MD; Ted Brown¹, PhD; Scot Hamilton¹, PhD; Pat Chronis-Brown¹, MSc; Ellen Greenblatt², MD
	¹ Department of Laboratory Medicine and Pathobiology, University of Toronto, Toronto, Ontario, Canada ² Mount Sinai Fertility, Sinai Health System, Toronto, Ontario, Canada
	³ Department of Obstetrics and Gynecology, University of Toronto, Toronto, Ontario, Canada
45	Dreaming big: Providing ASCO guideline concordant oncofertilty care for AYA patients
*	Sarita Pathak, MPH; Bianca Augusto; Gwendolyn P. Quinn, PhD; Susan T. Vadaparampil, PhD
4	Moffitt Cancer Center, Department of Health Outcomes and Behavior
	New York University (NYU) Grossman School of Medicine, Department of Obstetrics and Gynecology and Population Health
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47	Recruitment strategies for reproductive research among young adult female survivors of childhood cancer survivors
	Brooke Cherven ^{1,2} , PhD, MPH, RN; Ebonee Harris ¹ , MPH; Hayden Barrows ³ , BS; Tracey Knabe ⁴ , MA; Tracey Huitt ⁵ , RN; Karen Burns ⁴ , MD; Jenna Demedis ³ , MD, MS; Holly Hoefgen ⁵ , MD; Ann Mertens ^{1,2} , PhD; James L. Klosky ^{1,2} , PhD, ABPP
	¹ Aflac Cancer and Blood Disorders Center at Children's Healthcare of Atlanta, Atlanta, GA
	² Department of Pediatrics, Emory University School of Medicine, Atlanta, GA, US
	³ Center for Cancer and Blood Disorders, Department of Pediatrics, University of Colorado, Aurora, Colorado
	⁴ Cincinnati Children's Hospital, Cincinnati, OH
	⁵ Washington University, St Louis, MO
48	Frequent occurrence of biovular follicles in the paediatric human ovary Jayasingam M ^{1,5} ; <u>Assis M^{1,5,6}</u> ;Gook D ^{1,2,5} ; Lin J ¹ ; Stern K ^{1,2} ; Kelsey T ³ ; Anderson R.A. ⁴ ; Jayasinghe Y ^{1,5}
	¹ Department of Obstetrics, Gynaecology and Newborn Health, University of Melbourne, Parkville,
	Victoria, Australia
	² Reproductive Services, Royal Women's Hospital, Parkville, Victoria, Australia
	³ School of Computer Science, University of St Andrews, St Andrews, UK
	⁴ MRC Centre for Reproductive Health, Queens Medical Research Institute, University of Edinburgh, Edinburgh, UK
	⁵ Oncofertility Program, The Royal Children's Hospital, Parkville, Victoria, Australia
	⁶ Stem Cell Biology, Murdoch Children's Research Institute, Parkville, Victoria, Australia

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49	The long-term fertility outcomes of young women with lymphoma -
	A comparison of those who performed fertility preservation (FP) and those who did not
	Maya Sharon-Weiner ^{1,2,3} ; Hayley Good ⁴ ; Samantha Yee ¹ ; Karen Glass ^{1,2,5}
	¹ CReATe Fertility Centre, Toronto, Ontario, Canada
	² Department of Obstetrics and Gynecology, University of Toronto, Toronto, Ontario, Canada
	³ Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel
	⁴ Temerty Faculty of Medicine, University of Toronto, Toronto, Ontario, Canada ⁵Sunnybrook Health Sciences Centre, Toronto, Ontario, Canada
50	The use of goserelin in adolescent oncofertility
	<u>Joanne Liu</u> ¹ , BMED; Michael Assis ^{1,2,3} , PhD; Yasmin Jayasinghe ^{1,2,3,4} , PhD
	¹ Royal Children's Hospital, Flemington Rd, Parkville 3052
	² Department of Obstetrics and Gynaecology Royal Women's Hospital, University of Melbourne, corner of Flemington Rd and Grattan St Parkville, 3052
	³ The Women's Hospital, corner Flemington Rd and Grattan St, Parkville 3052
	⁴Murdoch Children's Research Institute, Flemington Rd Parkville 3052
51	Ovarian tissue cryopreservation in prepubertal girls from a bioethical perspective: A critical interpretive review
	Aliya Affdal ¹ ; Mahmoud Salama ² ; Vardit Ravitsky ^{1,3}
	¹ University of Montreal, Montreal, Canada
	² Michigan State University, MI
	³ Harvard Medical School, Boston, MA
52	Psychoeducation about sexual health practices in adolescents and young adults (AYA) with cancer
	Ksenya Shliakhtsitsava¹, MD, MAS; Susan McCollom², RN ND, CPHON, BMT-CN; Cindy Flom², RN, BSN CPHON; Elizabeth House², APRN, CPNP-PA/AC; Julie N. Germann³, PhD, ABPP
	¹ Department of Pediatrics, Division of Pediatric Hematology-Oncology, University of Texas Southwestern Medical Center, Dallas TX
	² Pauline Allen Gill Center for Cancer and Blood Disorders, Children's Health, Dallas, TX
	³ Department of Psychiatry, Children's Health, University of Texas Southwestern Medical Center, Dallas, TX
53	Fertility screening tool development in the electronic medical record
	Sara Zarnegar-Lumley; Priscilla P. Keedy; Leslie D. Goebel; Janet McCormick; Julia Cartwright
	Vanderbilt University Medical Center
54	Harnessing social media as a tool for fertility preservation education in reproductive-age cancer patients
	<u>Valdez-Sandoval</u> ¹ , PI; Caballero-Landinez ¹ , RE; Nuñez-Hernandez ² , JC; Mendez-Bribiesca ¹ , SA; Gulías-Herrero ³ ; A Bourlon ¹ , MT
	¹ Department of Hematology and Oncology, Instituto Nacional de Ciencias Médicas y Nutrición "Salvador Zubirán"
	² Department of Internal Medicine, Hospital Ángeles Pedregal
	³ Department of Internal Medicine, Instituto Nacional de Ciencias Médicas y Nutrición "Salvador Zubirán"
55	Ovarian tissue cryopreservation in prepubertal girls: A qualitative study of canadian and french oncopediatricians' perspectives
	Aliya O. Affdal ¹ ; Mathieu Bujold ² ; Vardit Ravitsky ^{1,2}
	¹University of Montreal, Montreal, Canada
	² Harvard Medical School, Boston, MA

Notes:	



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Oncofertility Consortium

Michigan State University

Department of Obstetrics, Gynecology,
and Reproductive Biology
965 Wilson Road, Room A626B

East Lansing, MI 48824-1316, USA

Phone: +1 (517) 884 6434 Email: oncofert@msu.edu