



POSTERS

All poster sessions will be located in the Independence East.

POSTER SESSION I • SUNDAY, MARCH 30, 2025 • 1:30 PM - 3:00 PM

Poster 100	Investigating the Role of Spermatogonial Melanoma Antigen Mageb16 in Protecting Male Spermatogenesis Under Nutritional Stress <i>Farzana Popy, DVM, MS</i>
Poster 101	Identification of MEF2 Interactomes in MA-10 Leydig Cells Using TurboID Proximity Labeling <i>Karine de Mattos, DVM, MS</i>
Poster 102	Mutated Forms of COUP-TFII that Cause Differences of Sex Development in Humans Fail to Synergize with CAMKI and SF1 <i>Kenley Joule Pierre, MS</i>
Poster 103	The Effects of <i>Lepidium Meyenii</i> on MSG-Induced Male Subfertility: Targeting Oxidative Stress, Pro-Inflammatory Cytokines, Steroidogenic Enzymes, and Reproductive Hormones Regulation <i>Temidayo Omolaoye, PhD</i>
Poster 104	A Rare Presentation Unearthing A Rare Syndrome: Empty Sella Syndrome <i>Parth Manek, MBBS, MS</i>
Poster 105	Hyperresponsiveness to Clomiphene Citrate after Anabolic Androgenic Steroid Use <i>Matheus Freire, MD</i>
Poster 106	Optimizing Body Growth and Testicular Function Treatment for Adult Growth Hormone Deficiency Men <i>Hung Nguyen, MD</i>
Poster 107	Improved Methods for Cryopreservation of Sperm from the Common Marmoset (<i>Callithrix Jacchus</i>) <i>Nillofar Sadeghi</i>
Poster 109	Non-Classical Adrenal Hyperplasia: Real World Diagnosis Pathway in a Middle-Income Country <i>Juan Cespedes</i>
Poster 110	Acetaminophen and Genistein Lead to Differential Expression of Genes and Proteins Involved in Rodent Immature Sertoli Cell Function <i>Nicole Mohajer, MS</i>
Poster 111	Micronized Purified Flavonoid Fraction Enhances Sexual Function by Modulating NF- κ B /NO/cGMP and Steroidogenic Signaling in Cisplatin-Treated Male Wistar Rats <i>Cecilia Adedeji Adegbola</i>
Poster 112	Perceived Stress in Relation to Testicular Function Markers Among Men Attending a Fertility Center <i>Akshay Reddy, MD</i>
Poster 114	Modulation of FGF Action Protects Spermatogenesis from Chemotherapy Damage <i>Gunapala Shetty, PhD</i>
Poster 115	Capture of Environmental Sensors Present in the Human Sperm DNA Methylome of Obese Men <i>Mathieu Schulz, PhD</i>
Poster 116	Genetic Insights from a Large Cohort of Infertile Men: Higher Variant Burden in Severe Phenotypes <i>Antoni Riera-Escamilla, PhD</i>
Poster 117	Sperm Fertility Index – A DNA Methylation-Based Tool to Predict Couples' Time to Pregnancy <i>Karolina Nowak, MS, PhD</i>
Poster 120	TOPAZ1 Missense Variant Identified in Familial Case of Non-Obstructive Azoospermia Leads to Male Infertility Phenotype in Mouse Model <i>Rachel Hvasta-Gloria, MPH</i>



POSTERS

All poster sessions will be located in the Independence East.

POSTER SESSION I • SUNDAY, MARCH 30, 2025 • 1:30 PM - 3:00 PM (continued)

Poster 121	Analysis of Pre-Vasectomy Considerations and Contraceptive Patterns <i>Amelia Oppenheimer, BS</i>
Poster 122	WHICH-A.R.T., A Clinical Assay to Assess Sperm Fertilization Capacity in Patients Undergoing Infertility Treatments <i>Juan Ferreira, PhD</i>
Poster 124	Sperm Cryopreservation from COVID-19 Patients Have Worst Post-thaw Semen Quality and Functional Characteristics Compared to the Infertile Population and Controls <i>Ana Flávia Quiarato Lozano, PhD</i>
Poster 125	Standardization of the Best Concentration of Melatonin to Optimize and Preserve Post-thaw Sperm Functional Characteristics and Fertilizing Capacity in Cryopreserved Semen <i>Larisa Chiba, MS</i>
Poster 126	Involvement of EPAC1 in Human Sperm Function <i>Tania Laperrière</i>
Poster 127	Efficacy of Clomiphene and Anastrozole for Oligoasthenozoospermia <i>Yoshimasa Ban, MD</i>
Poster 128	Cap-Score™ and its Ability to Predict Male Fertility <i>Cristina Cardona, PhD</i>
Poster 129	Human Sperm Capacitation is Regulated by Protein CoAlation <i>Steven Serafini</i>
Poster 130	Real-World Assessment of Epigenetic Sperm Quality Testing for Predicting Fertility Treatment Success: A Multi-Site Analysis of 537 Patients <i>Kristin Brogaard, PhD</i>
Poster 131	Starvation and Recovery Up-regulate Phosphorylation Pathways in Mouse Sperm <i>Gayatri Mohanty, PhD</i>
Poster 132	Reductions in Capacitation Ability are More Common in Men Questioning their Fertility than in Men of Known Fertility, Even if they are Normozoospermic or Have ≥10 Million Total Motile Cells <i>G. Ostermeier, HCLD, PhD</i>
Poster 135	Super-resolution Imaging Reveals PKA Localization in Mouse Sperm During Capacitation <i>Arturo Matamoros Volante, PhD</i>
Poster 136	From Sheep to Men: How Electroejaculation Changed the Field of Infertility <i>Kimberly Waggener, MD</i>
Poster 137	Risk For Reproductive Health in Diabetic Patients: A Retrospective, Controlled Study in Infertile Men With Type 1 and Type 2 Diabetes <i>Florian Schneider, MD</i>
Poster 138	A Semen Parameter and Sperm Mitochondrial DNA Copy Number Based Machine Learning Approach to Predict Couples' Fecundity <i>Savni Sawant, MS</i>
Poster 139	Measurement of Sperm Capacitation in Men with Varicoceles Undergoing Fertility Evaluation Changes Surgical Management in Over One Quarter of Cases <i>Eric Seaman, MD</i>



POSTERS

All poster sessions will be located in the Independence East.

POSTER SESSION I • SUNDAY, MARCH 30, 2025 • 1:30 PM - 3:00 PM (continued)

Poster 140	Does the Pattern of Alcohol Consumption Affect Seminal Parameters, Sperm Functional Tests, and Hormonal Profile in Infertile Men? <i>Lucas Fraga, MD</i>
Poster 142	Prevalence and Clinical Characteristics of Infertile Men with Non-obstructive Azoospermia Classified According to the APHRODITE Criteria: A Cross-sectional Study <i>Thiago Teixeira, PhD</i>
Poster 143	AAV Tropism in the Mouse Testis and Human Testicular Cells <i>Georgia Rae Atkins</i>
Poster 144	The Aftermath of Roe v. Wade: Long-Term Trends in Surgical Birth Control and IVF Access <i>Amelia Oppenheimer, BS</i>
Poster 145	A Novel Sperm Function Assay as an Adjunct Tool for Initial Male Fertility Assessment Mahdi Bazzi, MD
Poster 146	Surgical Outcomes of Plication Techniques in Severe Peyronie's Disease <i>Lucas Sanvido, MD</i>
Poster 147	Simultaneous Removal of IPP and Positioning of AUS with Ectopic Reservoir in the Renal Lodge: A Valid Option in Complex Cases <i>Emanuele Baldassarre, MD, PhD</i>
Poster 148	Changes in IIEF, PEDT and Orgasmometer Scores According to Attachment Styles as Measured by the Relationship Questionnaire <i>Andrea Sansone, MD, PhD</i>
Poster 149	Testosterone: Estradiol Ratio a Step Forward Towards the Understanding of Low Libido in Men with Sexual Dysfunction <i>Joao Pedro Gismondi, MD</i>
Poster 151	Testicular Cancer And Male Infertility: Can We Predict Testicular Cancer According To The Semen Analysis? <i>Fabio Pasqualotto, MD, PhD</i>
Poster 152	Impact of Yoga-Primed Serum on Cancer Cell Behavior: A Study in a Male Infertile Cohort <i>Anjali Yadav, PhD</i>
Poster 153	The Histology of the Mouse Epididymis is Affected by High-Fat Diet-Induced Obesity: Role of Toll-Like Receptor 4 (TLR4) Signaling <i>Carla Silva, BS</i>
Poster 154	Should Urologists Ask their Patients About the Practice of Anal Intercourse and Higher Levels of Bacterial Contamination of the Urogenital Tract? A Red Flag Alert <i>Joao Pedro Gismondi, MD</i>
Poster 155	Testicular Volume and Semen Quality in Mexican Men with Infertility: A Retrospective Study <i>Andres Mora Topete, MD, MS</i>
Poster 156	Clear Cells as Key Modulators of the Epididymal Immune Responses in LPS-Induced Inflammation <i>Maria Battistone, PhD</i>
Poster 157	Bilateral Polycystic Seminal Vesicles in Elderly Cavaders: A Histological Study and Report of Two Cases <i>Dibakar Borthakur, MD</i>



POSTERS

All poster sessions will be located in the Independence East.

POSTER SESSION I • SUNDAY, MARCH 30, 2025 • 1:30 PM - 3:00 PM (continued)

Poster 158	Impact of Ureaplasma Urealyticum on Human Seminal Fluid Leucocytes and Semen Quality: A Systematic Review and Meta-Analysis <i>Victory Ashonibare, MS</i>
Poster 159	Region-specific Matrix Metalloproteinases Responses in LPS-induced Epididymitis in Mice <i>Poliana Martini, BS</i>
Poster 160	Sperm Switch From Cytoplasmic to Mitochondrial Translation During Epididymal Maturation in Mice <i>Zhuqing Wang, MS, PhD</i>
Poster 161	Intratesticular Creatine Is Essential for Spermatogenesis by Regulating the Blood-Testis Barrier <i>Sohei Kuribayashi, MD, PhD</i>
Poster 162	Potential Role for the Small GTPase Rac1 as a Metabolic State Transducer in the Testis of Drosophila melanogaster and its Impact on Male Fertility <i>Nadia Edelsztein, PhD</i>
Poster 163	Transcriptomic Profiling Reveals Role of KCTD13 In Cryptorchidism <i>Anukriti Singh, PhD</i>
Poster 166	The Effect of Age of Immature Mice on the Development of Different Stages of Spermatogenesis In Vitro Using 3-dimension In Vitro Culture System <i>Mahmoud Huleihel, PhD</i>
Poster 167	Mouse SPAG6L, a Key Cytoskeleton Modulator and Essential for Male Germ Cell Development, is Not Required for Sertoli Cell Function <i>Tao Li, MD</i>
Poster 168	Identification of SC35, an RNA Splicing Factor, as a MEIG1 Binding Partner <i>Ava Miciuda</i>
Poster 169	Sumoylation Regulates Meiosis and Sertoli Cell Function in Mice <i>Aliza Balsam</i>
Poster 170	Significance of Ultrasonographic Testicular Volume Measuring in Infertile Men Investigation <i>Veljko Pantovic, MD</i>
Poster 171	Evaluating the Reproductive Capacity of C. elegans Strains with Variants of Unknown Significance in Genes Necessary for Fertilization <i>Matthew Marcello, PhD</i>
Poster 172	Semen Quality in Long-COVID Syndrome Individuals After Two Years of the Pandemic: Still Reasons for Concern? <i>Eduardo Pato, MD</i>
Poster 173	Contribution of the Epididymis Beyond Fertilization: Relevance of CRISP1 and CRISP3 for Sperm DNA Integrity and Early Embryo Development <i>Valeria Sulzyk</i>
Poster 174	Role of PRMT-AR Interaction in the Epididymis <i>Petra Sipilä</i>



POSTERS

All poster sessions will be located in the Independence East.

POSTER SESSION II • MONDAY, MARCH 31, 2025 • 1:30 PM - 3:00 PM

Poster 200	Testosterone Influence on Regulating Postsynaptic Density and Scaffolding Proteins During Dendritic Spine Morphogenesis in Hippocampal Neurons: A Comparative Analysis of Memory Function in Young and Aged Male Rats <i>Prakash Seppan, PhD</i>
Poster 201	Investigation of the Effectiveness and Safety of TRT for Eugonadal Patients <i>Keisuke Ishikawa</i>
Poster 202	Psychological Factors In Male Infertility Are Associated With Hormonal Values <i>Lucas Fraga, MD</i>
Poster 203	Uncovering the Role of MAGEA in Testicular Ubiquitination and Germline Protection Under Nutritional Stress <i>Maria Camila Hoyos-Sanchez, MS</i>
Poster 204	Sexual Complaints in Misuse and Abuse of Anabolic-Androgenic Steroids <i>Matheus Freire, MD</i>
Poster 205	FSH Analogues as Key Factor to Accelerate Anabolic-Steroid Induced Male Infertility Recovery <i>Matheus Freire, MD</i>
Poster 206	Comparison of the Effect of Embolization, Laparoscopic Surgery and Microsurgical Varicocelectomy on Semen Quality: A Systematic Review and Meta-Analysis <i>Cecilia Adedeji Adegbola</i>
Poster 207	Effect of Mono-(2-ethylhexyl) Phthalate (MEHP) Exposure on Macrophage Metabolic Phenotypes and Inflammatory Responses <i>Allison Lunney</i>
Poster 208	Pumpkin Seed Oil (Cucurbita sp.) Granulate on the Process of Benign Prostatic Hyperplasia <i>Thiago Teixeira, PhD</i>
Poster 209	The Impact of Urologic Mentorship on Matching Outcomes at University-Affiliated Urology Programs <i>Amelia Oppenheimer, BS</i>
Poster 210	Combined Effects of Acetaminophen and Genistein on Leydig Cell Steroid Production and Gene Expression <i>Damilare Rotimi, PhD</i>
Poster 211	Association Between the Activity of Oxidative Stress Scavenging Enzymes and Sperm DNA Fragmentation in Young Healthy Men from General Population <i>Renata Walczak-Jedrzejowska, MS, PhD</i>
Poster 212	Impact of Exposure to Ambient Heat on Sperm DNA Methylation among Men from an Infertility Treatment Population <i>Carrie Nobles, MPH, PhD</i>
Poster 213	Identification of Epigenomic Factors in Idiopathic SCOS Patients: A Hospital Based Case Control Study <i>Nisha Sharma, PhD</i>
Poster 214	Designing, Generating, and Evaluating a New Rbbp7 Knock-Out Mouse Model <i>Christopher Pombar, MS</i>
Poster 216	Diet and Exercise Modulate the Sperm Epigenome in Men <i>Hayden McSwiggin</i>
Poster 217	Role of mRNA Demethylase (FTO) in Regulation of Testicular Gene Expression <i>Neha Choudhari</i>



POSTERS

All poster sessions will be located in the Independence East.

POSTER SESSION II • MONDAY, MARCH 31, 2025 • 1:30 PM - 3:00 PM (continued)

Poster 218	Diet and Exercise Modulate the Sperm Epigenome in Mice <i>Rubens Magalhães, PhD</i>
Poster 219	Autologous Grafting of Cryopreserved Prepubertal Rhesus Testis Tissue into Adults with Intact Testes Produces Sperm and Offspring <i>Gunapala Shetty, PhD</i>
Poster 220	Within-Ejaculate Haploid Selection Reduces Disease Biomarkers in Human Sperm <i>Daniel Marcu, PhD</i>
Poster 221	Multispectral Flow Cytometry Extends Functional Semen Analysis: An Example for Association of Acrosome Reaction and Sperm DNA Fragmentation <i>Stefan Schlatt, PhD</i>
Poster 222	What Can We Do To Better Treat Patients With Varicocele And Azoospermia/Oligospermia? <i>Fabio Pasqualotto, MD, PhD</i>
Poster 223	Role of FATP2 (SLC27A2) Transporter in Post-testicular Sperm Maturation <i>Morgane Goux</i>
Poster 224	Clinical, Seminal, Hormonal and Ultrasound Andrological Parameters Predictive for Pregnancy with a Live Birth <i>Francesco Lotti, MD, PhD</i>
Poster 225	Biogenesis of the Sperm Cytoplasmic Droplet Requires ARRDC5 and TEX38 <i>Mingyao Yang, PhD</i>
Poster 226	Sperm Chromatin Dispersion Testing: A Comparative Evaluation between Manual and an Automated Artificial Intelligence Aided Machine <i>Manesh Kumar Panner Selvam, DVM, PhD</i>
Poster 227	The Relationship Between Teratozoospermia and the Indices of Chromatin Decondensation and DNA Fragmentation in Semen <i>Othmane Adli, PhD</i>
Poster 228	A Non-Invasive Diagnostic Assay that Detects Spermatogenic Defects and Single Sperm <i>Rajakumar Anbazhagan, PhD</i>
Poster 230	High Glucose in the Media Impacts the Phosphorylation of Stallion Sperm Proteins <i>Fernando Peña, DVM, PhD</i>
Poster 231	Unlocking Access: The Influence of Insurance Coverage on Surgical Birth Control Methods <i>Mahdi Bazzi, MD</i>
Poster 232	Single-Molecule Native Sequencing of Cell-Free DNA in Seminal Plasma Predicts Success of Sperm Extraction Procedures <i>Kristin Brogaard, PhD</i>
Poster 233	The MOBYUS Consortium: A Multi-Institutional Collaboration to Investigate Male Infertility <i>Leila Bushweller, BS</i>
Poster 234	Infertility in the Male Spina Bifida Patient: A Systematic Review <i>Kimberly Waggener, MD</i>
Poster 235	Sperm Cryopreservation from COVID-19 Patients Have Worst Post-thaw Semen Quality and Functional Characteristics Compared to the Infertile Population and Controls <i>Ana Flavia Lozano, PhD</i>
Poster 236	A Comparison Between Sperm Capacitation Ability and Traditional Semen Analysis Parameters <i>Cristina Cardona, PhD</i>



POSTERS

All poster sessions will be located in the Independence East.

POSTER SESSION II • MONDAY, MARCH 31, 2025 • 1:30 PM - 3:00 PM (continued)

Poster 238	IVF/ICSI Outcomes are Comparable Between Men with Low and Normal Cap-Scores <i>G. Charles Ostermeier, PhD</i>
Poster 239	Fertility Implications And Impact Of Bacterial Vaginosis On Sperm Function <i>Shweta Bhagwat, PhD</i>
Poster 240	Key Bacteria in the Seminal Microbiome Directly Controls Sperm Motility via Protective or Pathologic Secreted Metabolites <i>Shinnosuke Kuroda, MD, PhD</i>
Poster 241	The Probability of Pregnancy in 100 Episodes of Sexual Intercourse (POP100): a Novel Measure of Male Contraceptive Performance <i>John Amory, MD, MPH, MS</i>
Poster 242	Sperm Concentration in Mailed-in Sample Remains Consistent Compared to That in Original Sample on Day of Collection <i>Yanhe Lue, MD</i>
Poster 243	Childless Men Who Undergo Vasectomies Are No Different Than Their Cohorts with Children <i>Eric Seaman, MD</i>
Poster 244	Efficacy of Penile Lengthening Device (RestoreX) in Peyronie's Disease <i>Parth Manek, MBBS, MS</i>
Poster 245	Exploring the Role of Parental Care and Overprotection in Predicting Erectile Dysfunction: A Machine Learning Approach <i>Andrea Sansone, MD, PhD</i>
Poster 246	AUSTA 1500 (700+800) Technique, Using Combined Perineal and Infrapubic Approach. A New Procedure and Preliminary Data <i>Emanuele Baldassarre, MD, PhD</i>
Poster 247	LED 3-D Scan Technology for Complex Penile Deformity Documentation – Proof of Concept Study <i>Lucas Sanvido, MD</i>
Poster 248	Comparison of Non-invasive Measurements in Penile Curvature Assessment in Peyronie's Disease <i>Lucas Sanvido, MD</i>
Poster 249	Usefulness of Penile Duplex-Doppler Ultrasound in the Correct Assessment and Treatment of Post Prostate Cancer Treatment Erectile Dysfunction <i>Lucas Vasconcelos Sanvido, MD</i>
Poster 250	Total Testosterone and Arterial Insufficiency Measured by Echodoppler of Penile Vessels in Patients with Erectile Dysfunction <i>Eleonora Pasqualotto, MD, PhD</i>
Poster 251	Dengue Infection: An Emerging Global New Threat to Male Fertility? <i>Ana Flávia Quiarato Lozano, PhD</i>
Poster 252	Profound Morphological Changes Induced by Impaired Glycosaminoglycan Degradation in the Epididymis of a Mouse Model for Mucopolysaccharidosis Type IIIB <i>Carlos Morales, DVM, PhD</i>
Poster 254	Higher Prevalence of Subclinical Prostatitis and Epididymitis in Individuals Who Practice Anal Sex Frequently <i>Joao Pedro Gismondí, MD</i>
Poster 256	Impact of Probiotic Supplementation on Human Semen Quality and Male Sex Hormones: A Systematic Review and Meta-Analysis <i>Victory Ashonibare, MS</i>



POSTERS

All poster sessions will be located in the Independence East.

POSTER SESSION II • MONDAY, MARCH 31, 2025 • 1:30 PM - 3:00 PM (continued)

Poster 257	LRWD1 is Important in Male fertility as a Centrosome Protein Required for Sperm and Cilium Development <i>Carolina Jorgez, PhD</i>
Poster 260	BC055111 is a Testis-specific Protein Localized in the Acrosome During Male Germ Cell Development <i>Cheng Zheng, PhD</i>
Poster 261	Signal Peptide Peptidase-Like 2A (SPPL2A) Plays A Central Role To Process Precursor A-Kinase Anchor Protein 4 (Pro-AKAP4) For Assembly Of Functional Sperm <i>Opeyemi Dhikhirullahi, BS</i>
Poster 262	Cryopreservation of Testes in Novel Cryoprotectant Polymer and Viability Study Comparing Between Liquid Nitrogen and -80°C <i>Chenchu Nagarakanti, MD</i>
Poster 263	Ultrasound Evaluation of Testicular Volume and Correlation with Seminal and Hormonal Parameters in Indonesian Infertile Men: The First Indonesian Andrological Report <i>Seso Suyono, MD</i>
Poster 264	KCTD13 Directly Binds to β catenin and Modulates Androgen Receptor-mediated β catenin Transcriptional Activity in the Testis <i>Carolina Jorgez, PhD</i>
Poster 265	The Sperm Cell and a Newly Confirmed Immune Function Beyond Reproduction: Sperm DNA-Extracellular Trap Like (Sets-L) <i>Jorge Hallak, MD, PhD</i>
Poster 266	The Cellular Origins of Activin A in the Adult Rodent Testis: A Re-appraisal <i>Mark Hedger, PhD</i>
Poster 267	Advancing Spermiogenesis Analysis: Machine Learning-based Approach to Objective Classification of Spermatid Steps <i>Maria Eugenia Teves, PhD</i>
Poster 268	CRISP1 and CRISP4 Proteins are Relevant for Sperm Epididymal Maturation <i>Valeria Sulzyk</i>
Poster 269	Understanding the Functions of Gsk3 α in the Process of Spermatogenesis <i>Rounak Roy, PhD</i>
Poster 270	Human Chorionic Gonadotropin used in Combination with Testosterone Therapy Preserves Sperm Production in Hypogonadal Men with Prior Proven Fertility or Normal Semen Analysis Prior to Starting Therapy – a Retrospective Case-Controlled Study <i>Mahdi Bazzi, MD</i>
Poster 271	The Transfer of Spheroids and Cells Developed in a 3D Methylcellulose In Vitro Culture System to a Fresh 3D Culture Resulted in Decreased Expression Levels of CREM and ACROSIN Compared to their Levels Before the Transfer <i>Mahmoud Huleihel, PhD</i>
Poster 272	Untargeted Metabolome Analysis of Murine Testis Reveals Prospective Pathways Underlying Age-Dependent Male Fertility Decline <i>Morgan Feuz</i>
Poster 274	The Effect of Hormone Treatment on the Psychological Well-being of People with Total Androgen Insensitivity Syndrome Using a Clinical Case Example <i>Mariola Krzyżacin, MD, PhD</i>