

Spotlight Speaker

Dr. Rick Burney

“Precision Medicine: Current Concepts and Research Design”



Dr. Rick Burney currently serves as Director of the Reproductive Endocrinology and Infertility Division at the University of Alabama at Birmingham. After graduation from the United States Military Academy at West Point, he was selected for a Marshall Scholarship, completing an MSc Degree in Immunogenetics at Oxford University. He completed Residency Training in Obstetrics and Gynecology at Madigan Army Medical Center and Fellowship Training in Reproductive Endocrinology and Infertility at Stanford University.

During his 28 years of service in the United States Army, he deployed twice to the Middle East as a Field Surgeon and established an REI Fellowship Program at Madigan for which he served as the Program Director.

His research has largely focused on Endometriosis and his 2012 review titled “Pathophysiology and Pathogenesis of Endometriosis” was selected as one of 25 articles from the archives of *Fertility and Sterility* that have “marked a great leap forward in Reproductive Science and Healthcare”, with other 1000 citations.

His current research efforts center on ‘Precision Medicine Approaches to Fertility and Reproductive Health.’ He has published over 50 peer-reviewed manuscripts and chapters as well as two Biomarker patents pending.

He is as an REI Board Examiner and serves on the Editorial Board of Journal, *Fertility and Sterility*.

Precision medicine is the science of leveraging the specificity of molecular signatures toward developing an individualized approach to healthcare. This rapidly emerging field has already resulted in innovative approaches to disease classification, diagnostics and treatments. Continued progress is predicated on the union of well annotated biorepositories, large scale proteogenomic profiling and bioinformatics. Clinicians play critical roles in the discovery, translation and integration of precision medicine themed healthcare innovations. Many clinical gaps in Women’s Health are suited to the precision medicine research to explore potential Improvements in patient care. This presentation seeks to acquaint the audience with the promise and progress of precision medicine and the fundamentals of study design for research in this area.

30th Annual Antonio Palladino Memorial Lecture and Resident Research Symposium

Friday, June 23, 2023

Bruce McClymonds Room A&B

And Via TEAMS

Meeting ID: 233 901 480 515

Password: fQ3vBU

Featuring our Spotlight Speaker

Rick Burney, MD, MSc.

Associate Professor &

Director for the Reproductive
Endocrinology & Infertility Division

at the University of Alabama in

Birmingham

2023 Palladino Lecture
and Resident Research Day Schedule

7:30 Check in/Registration

Continental Breakfast

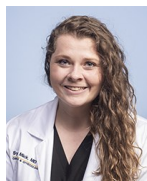
7:45 Welcome

Dr. Heitmann DO, Associate Professor, REI
Division Director, CRM Medical Director,
Residency Program and Vice Chair of
Education

8:00 Resident Presentations



Megan Stemple, MD, PGY3
“Covid and It’s Effect on Surgical
Cases and Burnout”



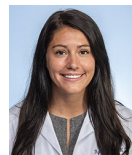
Sydnie Mick, MD, PGY2
“Cook Balloon Effectiveness at
12-hours and Cesarean Section
Risk”

8:40 Spotlight Speaker

Dr. Rick Burney
“Precision Medicine: Current Concepts and
Research Design”

9:40 Break

10:00 Resident Presentations



Kylie Fuller, MD, PGY4
“Clinic Factors Associated
with IUI Success”

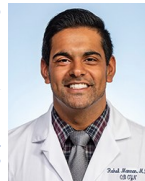


Jennifer Silk, DO, PGY4

“Medical Complications of HRT in
Transgender Patients with a Uterus”

Rahul Mannan, MD, PGY4

“Evaluating the use of Reverse
Breech Extraction for Deep Second
Stage of Labor Arrests versus the
Standard Mode of Delivery at a
Tertiary Care Center”



Kelly Devlin, MD, PGY3

“Covid and It’s Effect on UroGyn
Fellows”

Samantha Nibert, DO, PGY3

“Infertility Knowledge and Referral
Patterns in West Virginia”



11:40 - 12:30 Lunch

12:30 Resident Presentations

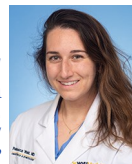


**Kassandra Elizabeth Riggs
Whitfield, MD, PGY2**

“Endometrial Cancer and Upgrading
from EMBX at Time of Surgery”

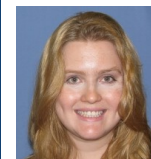
Rebecca Wald, MD, PGY2

“Decision to Stay and Practice in
WVU After Dobbs– A GME
Survey”



Mary Noonan, MD, PGY1

“Addiction in Pregnancy”



Ariel Cohen, MD, PGY1

“Cervical Length and BMI”

1:50 Break

2:00 Faculty Presentations



Kristy Ward, MD

**Associate Professor and
Medical Director of
Gyn Onc Division**

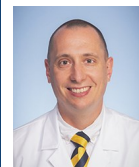
“Evaluating Barriers and
Attitudes Toward Weight Loss
and Physical Activity in WV Endometrial Can-
cer Patients”

Omar Duenas, MD

**Associate Professor and
Medical Director**

**Ultrasound, Gynecology
Quality & Performance
Improvement**

“Research Updates in GYN and
Pelvic Floor Disorders”



Ryan Heitmann, DO
Associate Professor

“Multi-Center, Parallel-Group,
Randomized Controlled Trial of
Modified Natural Versus
Programmed Cycles for Frozen
Embryo Transfers and Their Association with
Preeclampsia and Live Birth (NatPro)”

**3:00 Thank you!
Closing Remarks, and
dismissal**

THANK YOU TO OUR PAST SPEAKERS

2016, Loretta P. Finnegan, MD, LLD
2017, Haywood Brown, MD
2018, Daniel Clarke-Pearson, MD
2019, Philip Samuels, MD
2021, Halina Zyczynski, MD
2022, Jame Abraham, MD

At the Conclusion of our Guest/Faculty Speakers section, participant's should be able to

- *Describe the current state of precision medicine and its increasing role in patient care
- *Formulate an experimental design for a precision medicine based solution to a current clinical gap
- *Identify the appropriate omic technique to provide a precision medicine base approach to a clinical diagnostic or treatment issue
- *Identifying areas of research in the Department that are enrolling patients
- *Identify the factors associated with successful IUI treatments at WVU
- *Identify the appropriate patient and successful outcome measure for reverse breech extraction
- *Discuss the outcomes on medical education due to COVID pandemic from 2020-2022

CME Credit

The West Virginia University School of Medicine is accredited by the 'Accreditation Council for Continuing Medical Education' to provide Continuing Medical Education for Physicians.

The 'WVU Office of CME' designates this live activity for a maximum of 5.75 *AMA PRA Category 1 Credits*TM. Physicians should claim only the credit that commensurates with the extent of their participation in the activity.

Target Audience

Our Academic and Clinical Faculty, Residents, Midwives, Nurse Practitioners and Medical Students who are doing their Clerkship in our Department. In addition, outside Family Medicine and Ob/Gyn Physicians are invited to attend.

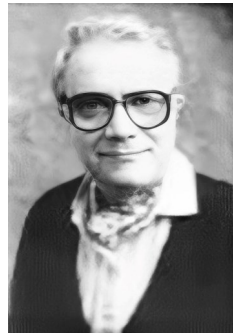
Disclosure: All those in position to control content have indicated that they have no relevant interests to disclose.

For more information contact Dr. Heitmann at Ryan.heitmann@hsc.wvu.edu

About Antonio Palladino, M.D

A native of Italy, Dr. Antonio Palladino received his Medical Degree with Highest Honors from the University of Naples, Italy and served his Residency in Obstetrics and Gynecology at Baltimore City Hospital; University of Maryland Division.

As a faculty member in the Department of Obstetrics and Gynecology at West Virginia University from 1964-1974, Dr. Palladino served as Vice-Chairman and Director of the Student Teaching Program. He later served as a Clinical Professor and was on the staff at Monongalia General Hospital. From 1974 until his death in June 1991, Dr. Palladino practiced with Dr. Walter A. Bonney and Dr. Kamal M. Behnam in Morgantown. He was certified by the American Board of Obstetrics and Gynecology and the Italian Board of Obstetrics and Gynecology.



A special 'thank you' to the Palladino family for making this a successful Annual Event. Through your endowed funding, we have been able to share with many from WVU School of Medicine and throughout the community. This will be our 30th Annual Lecture Series; we are very proud to be able to continue this.