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The Changing Tides in Gynecologic Surgery: Minimally Invasive Options What We Know and How Do We Improve Usage and Training

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Over the past twenty years gynecologic surgery has evolved from primarily abdominal approach to the current focus on minimally invasive surgical techniques. Minimally invasive techniques include vaginal and laparoscopic techniques. Evolution in laparoscopic technology and equipment has exploded to include multiple vessel sealing instruments of varying modalities, instruments with "wristed" capabilities and robotic assisted technology. Single port laparoscopy and natural orifice transluminal endoscopic surgery notes are other variations of laparoscopic technology. Vaginal surgery is still touted as the "ultimate" minimally invasive surgery by ACOG, however, its use has not grown over this time. Many surgeons have had limited training in vaginal surgery and are not as comfortable with this approach. What really is the best approach? Why does it matter what surgical approach is chosen? How are physicians able to gain competency and proficiency in this, ever changing environment? How do we improve patient safety and outcomes in gynecologic surgery?

Biography

Michael Galloway, DO, is a Graduate of Western University College of Osteopathic Medicine in Pomona, CA. He completed his residency in Obstetrics and Gynecology at Wright State University and is a Fellow of the American College of Obstetrics and Gynecology. He is board certified in Obstetrics and Gynecology, specializing in routine, high-risk obstetrics, vaginal pelvic reconstruction, and laparoscopic and robotic assisted gynecologic surgery. He currently practices at Miami Valley Hospital and is an Associate Professor in Obstetrics and Gynecology at The Boonshoft School of Medicine, Wright State University in Dayton, Ohio. He is a founding member of the "Robotic Residency Training Network" which includes several other residency programs including Duke, North Carolina, John Hopkins, Harvard, Cleveland Clinic, Lehigh Valley, Central Florida including Wright State University. He is one the earliest adaptors of robotic surgical simulation training since the daVinci system was introduced. He is the Director of the Obstetrics and Gynecology Residency Program and Director of Gynecologic Surgery. He is also the co-director of the Brethen Center for Surgical Advancement at Miami Valley Hospital. He has several written publications relating to gynecology and gynecologic surgical simulation. He has been a "Distinguished Faculty Member" and presented at both international and national meetings. His research interests include minimally invasive gynecologic surgery techniques and education.

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