

Vaginal Surgery Simulation

Dr. Douglas Miyazaki

WomanCare, Novant Health

Clinical Instructor, Wake Forest, University, NC, USA

DM@miyazakienterprises.com (336-414-2462)

Abstract

Surgical cases for resident training have steadily declined in the United States over the past 20 years. This has led to a substantial increase in simulation training. Laparoscopic and obstetrical simulators have made a substantial impact on safely improving physician skills. However, such does not exist for vaginal surgery. Other major issues are how to safely and objectively measure surgeon skill for a particular procedure. Numerous studies have shown that current US Ob/Gyn residents are graduating unable to perform basic vaginal procedures such as Vaginal Hysterectomy. The American Council for Graduate Medical Education developed the "Milestones Project" in 2008 which mandates that every training institution must submit an objective assessment of surgical competency for each resident twice a year to help ensure surgical competency upon graduation.

In this lecture, a new vaginal surgery simulator is presented. The results of initial Beta testing and a validation study sponsored by the US National Institutes of Health using the simulator for a Vaginal Hysterectomy procedure are presented. Also new curriculum from the American Congress of Obstetrics and Gynecology for certain vaginal procedures and competency assessment using the simulator will be discussed.

Biography

Dr. Douglas Miyazaki is currently a practicing physician of more than 22 years. He grew up in California, United States and received his Bachelor Degree from the University of California in 1985. His Medical Degree and Specialty Degree in Ob/Gyn were both at Wake forest University, United States. He is passionate about surgical training and resident education which led to the development of the Miya Model for vaginal surgery training. His expertise is recognized nationally and internationally, particularly in the areas of urinary incontinence, vaginal prolapse repair and surgical simulation. He was the keynote speaker for the 12th Annual Japanese Female Pelvic Floor Medicine Conference in Japan in 2010 and speaks/presents regularly in the United States. He is a member of the prestigious Society of Gynecologic Surgeons and Association of Professors of Gynecology and Obstetrics. Dr. Miyazaki has been the Course Director of many surgical symposiums and post graduate courses. He has authored numerous publications and surgical videos, see bibliography.

<http://www.ncbi.nlm.nih.gov/sites/myncbi/douglas.miyazaki.1/bibliography/50849731/public/?sort=date&direction=ascending>.