

PROMOTION RECOMMENDATION  
UNIVERSITY OF MICHIGAN  
MEDICAL SCHOOL  
DEPARTMENT OF OBSTETRICS AND GYNECOLOGY

Yolanda R. Smith, M.D., associate professor of obstetrics and gynecology, with tenure, Department of Obstetrics and Gynecology, Medical School, is recommended for promotion to professor of obstetrics and gynecology, with tenure, Department of Obstetrics and Gynecology, Medical School [also being promoted to research professor, Reproductive Sciences Program, Department of Obstetrics and Gynecology, Medical School].

Academic Degrees:

M.S.	2003	University of Michigan
M.D.	1989	Wake Forest University
B.S.	1985	Duke University

Professional Record:

2004-present	Associate Professor of Obstetrics and Gynecology, University of Michigan
1997-2004	Assistant Professor of Obstetrics and Gynecology, University of Michigan
1996-present	Research Assistant Professor, Reproductive Sciences Program, Department of Obstetrics and Gynecology, University of Michigan
1995-1997	Lecturer, Department of Obstetrics and Gynecology, University of Michigan
1993-1995	Instructor, Department of Obstetrics and Gynecology, Johns Hopkins University

Summary of Evaluation:

Teaching: Dr. Smith has been actively involved in the educational activities of medical students, house officers, and fellows. She has taught and mentored medical students and residents through clinical rotations and didactic lectures. She has been an integral part of the development of the successful and competitive reproductive endocrinology fellowship. In addition, she serves as a mentor for two T32 programs, the Building Interdisciplinary Research Careers in Women's Health (BIRCWH) K12 program, and the MICHR Postdoctoral Translational Scholars Program. She has participated in several University of Michigan CME activities, including grand rounds, annual postgraduate courses, and the Osteoporosis Guideline Committee. Dr. Smith consistently receives high scores (4.0 or above, out of 5) and positive comments regarding her teaching of medical students, house officers, and fellows. Comments have included: "Dr. Smith is a phenomenal teacher, clearly invested in resident education. I appreciate that she also shows interest in our development as well as well rounded physicians—a treat to work with...She spends time teaching from clinical, research and surgical standpoints...Dr. Smith has a clear and effective teaching style...Dr. Smith is an outstanding role model and encourages trainees to

maximize their potential clinically and in the research realm...Dr. Smith has it all. She's brilliant, professional, kind, caring and a great communicator and above all mentor."

Research: Dr. Yolanda Smith's research focuses on the integration of reproductive endocrinology with brain function and neurochemistry. Currently, she has federal research funding through an R01 award from the National Institute on Aging (NIA) to study the normal brain functional changes that occur during the menopause transition. It is anticipated that she will receive continued NIH funding to longitudinally study this group of subjects. Additionally, an R21 award from the NIA supports a mechanistic study of the individual effects of estrogen and progesterone therapy in early menopausal women. In addition, she is a co-investigator for R01s that study the effects of reproductive hormones on brain neurochemistry in depressed women and the study of the opioid system function in chronic pain patients.

Recent and Significant Publications:

Love T, Smith YR, Persad CC, Tkaczyk A, Zubieta J-K: Short-term hormone treatment modulates emotion response circuitry in postmenopausal women. *Fert Steril* Feb. 23, 2009. PMID: 19243753 (Epub ahead of Print).

Persad CC, Zubieta J-K, Love T, Wang H, Tkaczyk A, Smith YR: Enhanced neuroactivation during verbal memory processing in postmenopausal women receiving short term hormone therapy. *Fertil Steril* 92(1):197-204, 2009.

Rogers JL, Johnson TRB, Brown MB, Lantz PM, Green A, Smith YR: Recruitment of women research participants: The Women's Health Registry at the University of Michigan. *J Women's Health* 16 (5): 721-728, 2007.

Smith YR, Stohler CS, Nichols TE, Bueller JA, Koeppe RA, Zubieta JK: Pronociceptive and antinociceptive effects of estradiol through endogenous opioid neurotransmission in women. *J Neuroscience* 26 (21):5777-5785, 2006.

Smith YR, Love T, Persad CC, Tkaczyk A, Nichols TE, Zubieta JK: Impact of combined estradiol and norethindrone therapy on visuospatial working memory assessed by functional magnetic resonance imaging. *J Clin Endocrinol Metab* 91 (11): 4476-4481, 2006.

Service: Dr. Smith is a fellow of the American College of Obstetricians and Gynecologists. She is an active member of the American Society for Reproductive Medicine, the North American Society for Pediatric and Adolescent Gynecology, and the Society for Gynecologic Investigation. She serves as an ad hoc reviewer for numerous peer-review medical journals, including the *Journal of Clinical Endocrinology and Metabolism*, *Fertility and Sterility*, *International Journal of Gynecology and Obstetrics*, *Journal of Pediatric and Adolescent Gynecology*, *Biological Psychiatry*, and *Journal of the International Neuropsychological Society*. Institutionally, she holds leadership roles in research, serving as the associate chair for research (Clinical and Health Services) in the Department of Obstetrics and Gynecology and as a member of the Michigan Institute for Clinical and Health Research (MICH) Scientific Advisory Committee, Education and Career Development Core Admissions Committee, and Senior Leadership Committee. In

addition, she has served on the Medical School Admissions Committee since 2000. Dr. Smith has also served as the research director of the University of Michigan Center of Excellence in Women's Health and co-director for the University of Michigan Women's Health Registry. Nationally, she has served on program committees, abstract selection committees and on prize poster/paper selection committees. In particular, she served as the 2009 scientific program chair for the North American Society for Pediatric and Adolescent Gynecology (NASPAG) Annual Clinical Meeting with international speakers and attendees. She also was elected to serve on the Women's Council of the American Society for Reproductive Medicine (ASRM). In addition, she serves as an ad hoc reviewer for the National Institute on Aging (NIA) Special Emphasis Panels and serves on the editorial boards of the *Journal of Women's Health* and *The Biology of Sex Differences*.

Dr. Smith's clinical expertise is in reproductive endocrinology and infertility, with a special interest in pediatric and adolescent gynecology. She has served as the co-director of the Pediatric and Adolescent Gynecology Clinic since 1995, training both obstetric/gynecology and pediatric residents. She has also served as president, program chair, and secretary of the Pediatric and Adolescent Special Interest Group of the American Society for Reproductive Medicine (ASRM), and has held leadership roles in the North American Society for Pediatric and Adolescent Gynecology (NASPAG). Dr. Smith's clinical practice also includes private patients seen within the Center for Reproductive Medicine (CRM) for treatment of infertility, developmental problems of the reproductive tract, menopause and hormone therapy. In addition, Dr. Smith actively participates in the treatment of patients seen within the Division of Reproductive Endocrinology and Infertility covering fellow continuity clinics, surgical procedures, and weekend coverage of ultrasounds and assisted reproductive technology at the Center for Reproductive Medicine. One week each month, she takes responsibility for the clinical management of all CRM patients undergoing in vitro fertilization and ovulation induction.

#### External Review:

Reviewer A: "She is recognized for both clinical and academic excellence in the field of women's mental health and for her work in neuroimaging and the study of hormones and brain...I have thoroughly reviewed Dr. Smith's CV and research articles and conclude that she has made seminal contributions to the field of women's health locally, nationally, and internationally. In addition, her research in the area of hormones and neurobiology is recognized as being of the highest academic and ethical standards...She is an outstanding physician scientist, mentor, and steward to her profession and patients. I have no question that Dr. Smith will continue to make valuable academic contributions."

Reviewer B: "Dr. Smith has been an excellent contributor to the field of reproductive medicine in the research and publication arena...The variety of topics from therapy to physiology substantiates the depth of contribution in these publications. For efforts as these, she has received her national reputation...Her effort has been continuous and sustained, and as [sic] documented in not only the grants she has obtained but in her publication record and the significance of her publications."

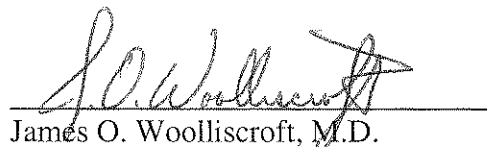
Reviewer C: “Dr. Yolanda Smith is among the most distinguished faculty in the nation in women’s health, reproductive endocrinology and pediatric and adolescent gynecology. She would clearly be a Full Professor at my home institution.”

Reviewer D: “Dr. Smith has completed and brought to publication several well-cited and important papers involving small clinical trials of cognitive and imaging outcomes in randomized clinical trials of hormones...Her papers investigating estrogen effects on opioid and cholinergic receptor function are novel and important contributions to the literature.”

Reviewer E: “In the category of Service, I can comment from a national perspective and once again Dr. Smith plays a leadership, role model, role for clinicians and individuals in training. Dr. Smith is frequently called upon for her expertise and advice regarding educational endeavors especially with regard to adolescents and young women.”

Summary of Recommendation:

Dr. Smith is an extremely capable clinician/surgeon, teacher and researcher. She can be counted upon to continue her outstanding academic and scholarly pursuits and further enhance her valuable contributions to the Department of Obstetrics and Gynecology and the University of Michigan Health System. I am pleased, therefore, to recommend Dr. Yolanda Smith for promotion to professor, with tenure, in the Department of Obstetrics and Gynecology.

A handwritten signature in dark ink, appearing to read "J.O. Woolliscroft", is written over a horizontal line.

James O. Woolliscroft, M.D.

Dean

*Lyle C. Roll Professor of Medicine*

May 2010