

Natalie Zlatica Burger

- FELLOWSHIP** Fletcher Allen Health Care/ Burlington, VT
University of Vermont
Fellowship in Reproductive Endocrinology & Infertility, 2004-2007
- RESIDENCY** Fletcher Allen Health Care/ Burlington, VT
University of Vermont
Residency in Obstetrics & Gynecology, 2000-2004
- EDUCATION** Medical College of Georgia Augusta, GA
Doctor of Medicine, June 2000
- Massachusetts Institute of Technology Cambridge, MA
Bachelor of Science in Molecular Biology, May 1996. Minor in Mathematics.
- BOARD** Board Certified in Obstetrics & Gynecology
CERTIFICATION Board Certified in Reproductive Endocrinology & Infertility
- EXPERIENCE** Texas Fertility Center Austin, TX
Specialist in infertility and reproductive medicine. July 2007 - present
- APPOINTMENTS** Clinical Assistant Professor Dallas, TX
University of Texas / Southwestern 2010 - present
- Clinical Assistant Professor Galveston, TX
University of Texas Medical Branch 2007 – 2010
- Clinical Instructor Burlington, VT
University of Vermont July 2004 – June 2007
- MEMBERSHIPS** American Society for Reproductive Medicine 2004-present
American College of Obstetrics & Gynecology 2000-present
American Medical Association, 1996-99
American Medical Student Association, 1998-99
- RESEARCH** Fletcher Allen Health Care / Burlington, VT
University of Vermont April 2006 – June 2007
Departments of Obstetrics & Gynecology and Medicine
Analyzed CAG repeat polymorphisms of the androgen receptor gene in postmenopausal women and correlating the results with body morphometry, exercise tolerance, and insulin sensitivity.
- Fletcher Allen Health Care / Burlington, VT
University of Vermont June 2005 – June 2007
Department of Obstetrics & Gynecology
Investigated the effects of estrogen on EDHF-mediated vasodilation in mesenteric & uterine vascular systems.

Fletcher Allen Health Care /
University of Vermont

Departments of Obstetrics & Gynecology & Endocrinology

Conducted randomized controlled trial on the impact of hyperlipidemic treatment in polycystic ovarian syndrome and its effect on insulin resistance.

Burlington, VT
June 2002 - July 2004

Fletcher Allen Health Care /
University of Vermont

Department of Obstetrics & Gynecology

Investigated the effects of DHEA-S on insulin resistance & exercise performance in postmenopausal women.

Burlington, VT
October 2002-present

Albert Einstein College of Medicine

Depts. of Obstetrics & Gynecology, Pathology, and Microbiology/Immunology

Performed research on differential chemokine production in the human placenta as a means of associating specific placental pathology with pregnancy complications, such as pre-eclampsia and spontaneous preterm birth.

Bronx, NY

Summer 1997

Harvard Medical School
Brigham & Women's Hospital

Studied leukocyte subpopulations in normal, post-menopausal, polycystic, dermoid, and pregnant ovaries. Also investigated the effects of peritoneal fluid on steroid production in luteinized granulosa cells.

Boston, MA
August 1993 - May 1995

MIT Infant Vision Laboratory
Department of Brain & Cognitive Sciences

Assisted in performing experiments on the progression of myopia through childhood and early adulthood.

Cambridge, MA
January 1993 - May 1993

PUBLICATIONS

Burger NZ, Kuzina OY, Osol G, Gokina NI. Estrogen replacement enhances EDHF-mediated vasodilation of mesenteric and uterine resistance arteries: role of endothelial cell Ca²⁺. *Am J Physiol Endocrinol Metab* 296, E503-E512, 2009.

Burger NZ, Hung YE, Kalof AN, Casson PR. Lithopedion: laparoscopic diagnosis and removal. *Fertility and Sterility*. **87**, 1208-1209, 2007.

Cooper BC, **Burger NZ**, Toth MJ, Cushman M, Sites CK. Insulin resistance with hormone replacement therapy: associations with markers of inflammation and adiposity. *Am J Obstet Gynecol*, **196(2)**, 123.c1-123.c7, 2007.

CL Best, JD Pudney, WR Welch, **NZ Burger**, JA Hill. Localization and characterization of white blood cell populations within the human ovary throughout the menstrual cycle and menopause *Human Reproduction*, **11**, 790-97, 1996.

ABSTRACTS

Silverberg K, Vaughn TC, Hansard L, **Burger N**, Minter T. Progesterone vaginal gel vs. intramuscular progesterone in oil for luteal support in IVF: a large, prospective trial. Presented at the Annual Meeting of the American Society of Reproductive Medicine, October 2010.

Beesley R, **Burger N**, Brown S, Toth M, Oppenheimer K, Casson, P. The correlation between androgen receptor CAG repeats and endogenous steroid hormones in naturally postmenopausal women. Presented at the Annual Meeting of the American Society of Reproductive Medicine, October 2008.

Burger NZ, Osol G, Gokina NI. Estrogen replacement enhances EDHF-mediated vasodilation of rat uterine radial arteries. Presented at the Society for Gynecologic Investigation 2007 Annual Meeting.

Burger NZ, Osol G, Gokina NI. The effect of estrogen on EDHF function in the mesenteric vasculature. Oral presentation, Annual Meeting of the American Society of Reproductive

Medicine, October 2006.

Burger NZ, Cooper BC, Goldstein JS, Casey CL, Murray CM. The effect of ovarian diathermy on insulin resistance in polycystic ovarian syndrome. Presented at the Society for Gynecologic Investigation 2006 Annual Meeting.

Amin MB, Buster JE, Callas P, **Burger N**, Pisarska M, Casson PR. The cognitive/psychological effect of dose titrated DHEA supplementation in post-menopausal women. Presented at the Annual Meeting of the American Society of Reproductive Medicine, October 2005.

Burger NZ, Cooper BC, Sites CK. “Leptin and adiponectin: mediators of the effect of HRT on body fat distribution and insulin sensitivity?” Presented at the Society for Gynecologic Investigation 2005 Annual Meeting.

Burger NZ, Casson PR, Buster JE, Carson, SA, Protas BJ. “DHEA supplementation augments exercise performance in postmenopausal women” Presented at the 59th Annual Meeting of the American Society for Reproductive Medicine, San Antonio, TX.

N Burger, N Mozaffarian, D Kim, G Sylvestre, CM Salafia, JW Berman. “Identification and differential localization of monocyte chemotactic protein-1 (MCP-1) and macrophage inflammatory protein-1 (MIP-1) alpha and beta in placentas of pre-eclamptic and spontaneous preterm births” Presented at the Society for Gynecologic Investigation 1998 Annual Meeting.

CL Best, **NZ Burger**, CA Gordon, JA Hill. “Macrophage localization in the normal human ovary” Presented at the 50th Meeting of the American Fertility Society in November 1994.

CHAPTERS **Burger NZ**, Johnson JV. Androgen Production in Women, Ch in Androgens and Reproductive Aging, 1st edition, Tulandi T, Gelfand MM (Eds) Taylor and Francis, London, New York, 2006.

Burger NZ, Casson PR. Pathophysiology of Androgens in Women, Ch in Testosterone Action – Deficiency – Substitution, 3rd edition, Nieschlag E, Behre Hm (Eds) Springer Verlag, Berlin DE, 2003.

PRESENTATIONS “Motherhood at Midlife”; Grand Rounds Presentation at Fletcher Allen Health Care, April 2007.

“Update on Effects of Estrogen on EDHF-Mediated Vasodilation”, Research Presentation at the University of Vermont, July 2006.

“Effects of Estrogen on EDHF-Mediated Vasodilation”; Research Presentation at the University of Vermont, June 2005.

“Female Sexual Dysfunction”; Grand Rounds Presentation at Fletcher Allen Health Care, June 2004.

“The Effects of Hyperlipidemia on Insulin Resistance in Polycystic Ovarian Syndrome”; Chief Resident Presentation, June 2004.

LANGUAGES Slovak

HOBBIES Travel, reading, pilates, cooking