

CURRICULUM VITAE

Valerie Bauer, MD

DATE: April 7, 2015

Maiden Name:

Valerie Papaconstantinou

PRESENT POSITION:

Associate Professor of Surgery
President

Texas Tech University Health Sciences Center
Permian Basin
Department of Surgery
701 West 5th Street, Ste. 2263
Odessa, Texas 79763

BIOGRAPHICAL:

Birth date:

Place:

Citizenship:

USA

Married:

Children:

Home address:

EDUCATION:

Post-graduate training

Colon and Rectal Clinic, PA
07/2005-06/2006

University of Texas Health Sciences, Houston, TX
PGY-6 Fellow Colorectal Surgery

University of Texas Medical Branch
07/2004-06/2005
07/2003-06/2004

Department of Surgery, Galveston, TX
Chief Resident
PGY-4 Categorical Resident

Maimonides Medical Center
07/2002-06/2003
07/2001-06/2002

Department of Surgery, Brooklyn, NY
PGY-3 Categorical Resident
Research Year, Freya Schnable, M.D.
Columbia University Breast Center

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07/2000-06/2001	PGY-2 Categorical Resident
The Methodist Hospitals of Dallas 07/1999-06/2000	Department of Surgery, Dallas, TX PGY-1 Preliminary Resident
University of Texas Medical Branch 07/1998-06/1999	Department of Internal Medicine, Galveston, TX Internship

Graduate & Undergraduate Education:

08/1996-05/1998	University of Texas Medical Branch Galveston, Texas MD Third and fourth year medical school
08/1992-05/1995	Medical College of Pennsylvania Philadelphia, Pennsylvania First and second year medical school
08/1991-05/1992	Bryn Mawr College Bryn Mawr, Pennsylvania Post Baccalaureate in Science
08/1986-05/1990	Bryn Mawr College Bryn Mawr, Pennsylvania B.A., Experimental Psychology Honors
09/1982-06/1986	Ball High School, Galveston, Texas

BOARD CERTIFICATIONS:

Certifying Exam American Board of Surgery, October 24, 2006
Certifying Exam American Board of Colon and Rectal Surgery, September 20, 2008

LICENSURE:

Texas State License #M1500 (expires 08/31/2016)

PROFESSIONAL WORK HISTORY:

10/2012- 7/31/2015	Attending Physician CEO Bay Area Colorectal Surgical Associates, PLLC 2060 Space Center Blvd., Suite 300
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Nassau Bay, Texas 77058

01/2012-09/2012

Attending Physician
Assistant Clinical Professor of Surgery
Michael E. Debakey Department of Surgery
Baylor College of Medicine
Colorectal Surgical Associates, LTD., L.L.P
7900 Fannin, Suite 2700
Houston, TX 77054

07/2006-09/2011

Assistant Professor
Department of Surgery
University of Texas Medical Branch
Galveston, TX 77555

RESEARCH & GRANT ACTIVITIES:

Research

- 1985 Electron Microscopy of Rat Liver, Peter Muller, PhD, Dept. of Molecular and Cellular Biology, University of Texas Medical Branch, Galveston, TX
- 1989-1990 Sherman Fairchild Research Fellowship: Cardiac Reactions to Two Psychological Stressors Acting in Combination, Howard Hoffman, PhD, Dept. of Psychology, Bryn Mawr College
- 1993 Systemic Capsaicin Treatment Attenuates the Satiating Action of Peripheral 5-Hydroxytryptamine (5-HT) in Rats, Kenny Simansky, PhD, Dept. of Neuropsychopharmacology, Medical College of Pennsylvania
- 1994 Risk Factor Assessment of Cardiovascular Disease in Inner City Philadelphia
- 1995 Mechanisms of Monoclonal Antibody Uptake by Solid Tumor Matrix Establishment of Human Gastrinoma Cell Line in the Nude Mouse Model Use of Octreotide in Imaging Gastrinoma, Barry Mann, MD, Dept. of Surgery, Medical College of Pennsylvania
- 1998 Phase I Human Clinical Trial: Perfusion Induced Whole Body Hyperthermia Treatment of Non-small Cell Carcinoma
- 2001 Histologic Abnormalities in BRCA1 and BRCA2 Mutation Carriers Undergoing Prophylactic Mastectomies, Freya Schnabel, MD, Columbia University, NY
- 2002 Establishment of Human Gastrinoma in the Nude Mouse Model-Revised Protocol, Joel Horovitz, MD, Dept. of Surgery, Maimonides Medical Center, Brooklyn, NY
- 2005 Analysis of a Single Surgeon's Outcome of Laparoscopic Sigmoid Colectomy: Early versus Late Years, Mark Pidala, MD, Colon and Rectal Clinic, PA, Houston, TX

2006-present	Development of Critical Pathways for the Care of Patients Undergoing Colon and Rectal Surgery at UTMB (quality improvement initiative)
2009	Evaluation of Adherence to Quality Indicators in Elective Colorectal Resections within the Department of Surgery at The University of Texas Medical Branch in Galveston
2010	Three Dimensional Anorectal Manometry (3D ARM) Predicts Sphincter Defect on Three Dimensional Anal Ultrasound
2011	Excessive Crystalloid Increases Surgical Infection in Elective Colectomy

Grants

Current:

2010-2011	Gene Expression in Human Intestines in Response to Cryptosporidium Infection, (PI: A. Clinton White), Co-Investigator: V. Bauer, 1% effort.
2010-2011	Effect of Best Practice Adherence Rates on Outcomes in Elective Colon and Rectal Surgery. V. Bauer, 1% effort.
2010-2011	IRB #03-237 – A Study of the Role of Growth Factors, Annexin II and DNA Methylation in Pathogenesis of Colorectal Cancer. 08/23/2010-07/31/2011. PI: P. Singh, Co-Investigator: V. Bauer.
2011-2012	IRB #09-179 – Effect of Best Practice Adherence Rates on Outcomes in Elective Colon and Rectal Surgery. 04/15/2011-04/15/2012. PI: V. Bauer.

Past:

1989	Sherman Fairchild Fund, \$2,000
1993	Medical College of Pennsylvania Student Research Grant, \$1,500
1995	James Ewing Foundation Society of Surgical Oncology Student Grant, \$2,000
1995	Medical College of Pennsylvania Student Research Grant, \$1,500

COMMITTEE RESPONSIBILITIES:

National	ASCRS Young Surgeons Committee, 2007-2013 American College of Surgeons – Young Fellows Assn., 2009-2010 ASCRS Professional Outreach Committee, 2011-Current Solesta® GI Advisory Council, 2012-2013 ASCRS Healthcare Economics Committee 2014
State/Regional	Texas Surgical Quality Collaborative (TSQC) Orientation Workshop, September 2012 Texas Medical Association Loan Officer, 2008-2009

UTMB	Multidisciplinary Trauma Peer Review Committee, 2006-2011
	Residency Education Committee, 2006-2001
	Pelvic Health and Continence (PHC) Website Design, 2009
	Development of Free Standing Cancer Center Committee, 2009-2010
	Development of UTMB Pelvic Floor and Continence Center in Victory Lakes, 2009-2011
	SOM Admissions Committee participant with medical school applicant interviews, 2009-2011
	Cancer Center Committee, 2009-2011
	Surgery QM Committee, 2010-present
	Operative and Other Procedures (OOPS) Committee, 2010-2011
	Meaningful Use EPM41-Oncology Colon Cancer: Chemotherapy for Stage III Colon Cancer Patients, 2010-2011
	GI/Digestive Service Line Taskforce, 2011
	Search Committee for Pelvic Health and Continence Clinical Research Coordinator, 2011
	Pelvic Floor Disorder Group-UTMB
	Director, UTMB Multidisciplinary GI Tumor Board Conference
HMSJ	ACS Commission on Cancer Physician Liaison, Houston Methodist St. John Cancer Committee 2014-2015
	ACS Commission on Cancer Caner Committee Chair, Houston Methodist St. John Cancer Committee 2014-2015
	Elected Member Bioethics Committee, 2014-2015
	OR Utilization Review Committee, 2014-2015
	EPIC Implementation Physician Champion 2014-2015
HPH	Utilization Review Committee 2014-2015

TEACHING RESPONSIBILITIES:

<u>UT Health Sciences MIST Fellowship</u>	
2012	Fellows instruction in colorectal surgical clinic and operating room
<u>UTMB School of Medicine</u>	
2006-2011	Resident instruction in general surgery clinics, wards, and operating room
2006-2011	Medical Student small group instructor during surgical rotation.
2006-2011	Lecture, Diagnosis and Management of Common Anorectal Disease, Medical Student Core Clerkship
2006-2011	Lecture, Colon Cancer

	Medical Student Core Clerkship – given every 8week rotation
2006-2008	Member Inflammatory Bowel Disease Multidisciplinary Conference
2008-2011	Advanced Trauma Operative Management Instructor, General Surgery Residents
2009-2010	Facilitator – Gross Anatomy and Radiology Problem-Based Learning first year medical students
2009-2011	Basic Human Pathobiology Neoplasia Lecture to Graduate students
2009-2011	Member of the Multidisciplinary Liver Conference
2011	Fundamentals of Laparoscopic Surgery Instructor to General Surgery Residents

Residents:

Mohammed Bayasi, M.D., Management of Intraperitoneal Shunts during Elective Colectomy, 2009

Paul Evans, M.D., Intra-operative Pressors Use and Post Operative Surgical Site infection, 2009

Mohammed Al-Zoubaidi, M.D., Excessive Crystalloid Increases Surgical Infection in Elective Colectomy, 2010-2011

Laila Rashidi, M.D., Three-dimensional Anorectal Manometry (3D ARM) Predicts Sphincter Defect on Three-dimensional Anal Ultrasound, 2010-2011

Daniel Maoz, M.D., Implementation of American College of Surgeons Ostomy Education Kit in Academic Clinical Practice: Patient care and outcome improvement project, 2011

Arely Contreras, M.D., The Use of Pelvic Muscle Rehabilitation in Treatment of Pelvic Floor Disorders, 2012.

Medical Students:

Eleanor Berry, Preceptorship Second Year Medical Student

Paul Evans, Preceptorship Third Year Medical Student

High School Students:

Jennifer Schlauch, Clear Lake Pre-Medical Mentorship and Preceptorship

MEMBERSHIP IN SCIENTIFIC SOCIETIES:

American College of Surgeons, Fellow

American Society of Colon and Rectal Surgeons, Fellow

American Medical Association

American Gastroenterological Association
Association of Academic Surgeons
Association of Women Surgeons
SAGES
Texas Medical Society
Texas Society Colon Rectal Surgeons
Harris County Medical Society

HONORS and AWARDS:

1990	Graduation with Honors, Bryn Mawr College
1992	Graduation Bryn Mawr Post Baccalaureate Program with Honors
1992	Early Acceptance, Medical College of Pennsylvania
2005	Nomination Outstanding Woman Resident Award Association of Women Surgeons
2011	Who's Who in Academia, Sutton Industries
2012-2014	Vitals Compassionate Doctor Award
2012-2014	Vitals Patient Choice Award
2014	Vitals On Time Award
2013	Texas Super Doctors
2014	Texas Super Doctors

BIBLIOGRAPHY:

Published Articles in Peer-Reviewed Journals:

1. Hoffman, H.; Khan, T.; **Papaconstantinou, V.**; O'Herron, F. Cardiac reactions in two psychological stressors, acting in combination. *Percept. Mot. Skills* 72:927-934; 1991.
2. **Bauer, V.P.**; Divino, C. The whirl sign—a diagnostic finding of incarcerated internal hernia. *Surg. Rounds* 25(10):500-504; 2002.
3. **Bauer, V.P.**; Ditzkoff, B.A.; Schnabel, F.; Brenin, D.; El-Tamer, M.; Smith, S. The management of lobular neoplasia identified on percutaneous core breast biopsy. *Breast J.* 9(1):4-9; 2003.
4. **Bauer, V.P.**; Horovitz, J. Metastatic gastrinoma in MEN I syndrome – Images for surgeons. *J. Am. Coll. Surg.* 196(4):652-653; 2003.
5. Komenaka, I.; **Bauer, V.P.**; Schnabel, F.; Joseph, K.A.; Horowitz, E.; Ditzkoff, B.A.; El-Tamer, M.B. Interpectoral nodes as the initial site of recurrence in breast cancer. *Arch Surg.* 139(2):179-182; 2004.
6. Komenaka, I.; **Bauer, V.P.**; Schnabel, F.; Horowitz, E.; Joseph, K.A.; Ditzkoff, B.A.; El-Tamer, M.B. Allergic reactions to isosulfan blue in sentinel lymph node mapping. *Breast J.* 11(1): 70-71; 2005.

7. **Bauer, V.P;** Papaconstantinou, H. Management of serrated adenoma. Clinics in Colon and Rectal Surgery. 21(4): 273-279; 2008.
8. **Bauer V.** Emergency management of diverticulitis. Clinics in Colon and Rectal Surgery. 22(3) 161-168, 2009.
9. Sarkar S, Maxwell C, Luthra G, Singal A, Qui S, **Bauer V**, Okorodudu A, Qiu S, Singh P. AnnexinA2 is increasingly expressed and released into the serum of patients positive for colonic growths/tumors in relation to disease progression: Diagnostic implications. Gastroenterology. 140(5):S-311-S-311.
10. Bauer, V. The evidence against prophylactic nasogastric intubation and oral restriction. Clinics in Colon and Rectal Surgery 26(03): 182-185; 2013.

Other:

Book Chapters:

1. Bauer, V.P. Zwischenberger, J.B. Management algorithm: flail chest. In: Prough D.S., Bidani, A., Zwischenberger J.B., Mathru, M. eds. St. Louis: Mosby.
2. Bauer, V.P. editor. Skin Tags. Elsevier First Consult online medical information.
3. **Bauer, V.P.**, editor. Hemorrhoids. Elsevier First Consult online medical information.
4. **Bauer, V.P.** Ileoanal anastomosis (Straight and J Pouch). In: Townsend, C.M. Jr., Evers, B.M., eds. Atlas of General Surgical Techniques. Philadelphia: Saunders-Elsevier, 2010, p. 714-733.
5. **Bauer, V.P.** Laparoscopic right colectomy. In: Townsend C.M. Jr., Evers B.M., eds. Atlas of General Surgical Techniques. Philadelphia: Saunders-Elsevier, 2010, p. 664-674.
6. **Bauer, V.P.** Total abdominal colectomy. In: Townsend C.M. Jr., Evers, B.M., eds. Atlas of General Surgical Techniques. Philadelphia: Saunders-Elsevier, 2010, p. 699-713.
7. **Bauer, V.P.** Laparoscopic left and sigmoid colectomy. In: Townsend C.M. Jr., Evers B.M., eds. Atlas of General Surgical Techniques. Philadelphia: Saunders-Elsevier, 2010, p. 686-698.
8. **Bauer, V.P.** Stoma closure. In: Townsend C.M. Jr., Evers, B.M., eds. Atlas of General Surgical Techniques. Philadelphia: Saunders-Elsevier, 2010, p. 641-651.
9. **Bauer V.** Operative treatment of rectal prolapse: perineal approach. In: Mulholland MW, Hawn MT, Hughes SJ, Albo D, Sabel MS, Dalman RL, eds. Operative Techniques in Surgery. Philadelphia: Wolters Kluwer, 2015, p.1332-1338.

VIDEOS:

1. **Bauer V.** Elsevier Procedures Consult Video: Proctoscopy, 2009:
<http://www.expertconsultbook.com/expertconsult/o/login.do?method=display>
2. **Bauer V.** Elsevier Procedures Consult Video: Diagnostic Laparoscopy, 2009:
<http://www.expertconsultbook.com/expertconsult/o/login.do?method=display>
3. **Bauer V.** Elsevier Procedures Consult Video: Laparoscopic Appendectomy, 2009:
<http://www.expertconsultbook.com/expertconsult/o/login.do?method=display>

PUBLICATIONS – IN PRESS:

1. **Bauer, V.P., Papaconstantinou H.T.** Anal Cancer: A Multidisciplinary Approach. Editors Mark Welton, MD, and Charles Thomas, Jr. MD, Chapter 8: Treatment of Perianal Cancer in press

ORAL PRESENTATIONS

1. Rashidi L, **Bauer V.** “Three Dimensional Anorectal Manometry (3D ARM) Predicts Sphincter Defect on Three Dimensional Anal Ultrasound”. Singleton Surgical Society, UTMB, June 10, 2011.

INVITED TALKS

1. “Cardiac Relation to Two Psychological Stressors”. University of Scranton and Union College Science Symposium, Scranton, PA, 1989.
2. “Assessment of Cardiovascular Risk Factors in Inner City African American Women”. Senator Allyson Schwartz Health Conference for Women and Girls in Philadelphia, PA, 1994.
3. Surgical Management of Difficult Perianal Fistulas. GI Grand Rounds. UTMB- Galveston, TX, December 5, 2006.
4. Common Anorectal Disorders. Family Medicine Grand Rounds. UTMB- Galveston, TX. April 12, 2007. Lecture was supported by the American Society of Colon and Rectal Surgeons Outreach Program.
5. Outreach Community Talk – Management of Common Anorectal Disease, UTMB, Department of Emergency Medicine, Galveston, TX, June 17, 2008.
6. Surgical Grand Rounds – Colon Imaging: Clearing the Muddy Waters and the Dangers That Lurk Within, UTMB, Galveston, TX, June 25, 2008.
7. Pelvic Floor Disorder Comparative Anatomy and Pathophysiology of Posterior Pelvic Floor Disorders, UTMB, Galveston, TX, July 3, 2008.
8. “Management of Hemorrhoids”. Endoscopic Technology (ET), UTMB, Galveston, TX, August 9, 2008.

9. "The Challenges of Two-Surgeon Families". American College of Surgeons, 95th Annual Clinical Congress. Chicago, IL, October 12, 2009.
10. "Pregnancy in Residency". American College of Surgeons Clinical Congress. 2009.
11. "Colon Neoplasia Graduate Student Lectureship". Basic Human Pathobiology (PATH6266). UTMB, Galveston, TX, 2009.
12. Johnson S, **Bauer V**. "Colorectal Outcomes at UTMB". Grand Rounds Presentation, Department of Surgery, UTMB, Galveston, TX, December 2, 2009.
13. "Obstructed Defecation". Presented at Grand Rounds Department of Surgery, UTMB, Galveston, TX, Galveston, TX, 2010.
14. "Evaluation of Constipation: A Poorly Recognized Pelvic Floor Problem". Presented at Grand Rounds Pelvic Health and Continence Center. UTMB, Victory Lakes, TX, February, 2010.
15. Chao C, **Bauer V**, Silva C. "Adjuvant On Line for Breast and Colorectal Cancer". Grand Rounds. UTMB, Galveston, TX, May 12, 2010.
16. "Surgical Pearls Single Incision Laparoscopic Surgery." Video presentation American Society of Colon and Rectal Surgeons, San Antonio, June 3, 2012.
17. "Surgical Management of the Difficult Anorectal Fistula." Grand Rounds, Department of Gastroenterology, UT Health Sciences Houston, February 14, 2013.
18. "Colon and Rectal Cancer: Prevent and Overcome." Texas Society of Medical Assistants 2013 Annual Education Conference. South Shore Harbor Resort and Conference Center, League City, Texas. April 20, 2013.
19. E-Poster Moderator. American Society of Colorectal Surgeons May 19, 2014, Hollywood, Florida.
20. "Secrets Below the Belt." League City Chamber of Commerce Live Well Women's Conference, September 19, 2014, South Shore Convention Center, Clear Creek, Texas.

POSTER PRESENTATIONS

1. Luthra G, **Bauer V**, Singal A, Okorodudu AO, Qiu S. "AnnexinA2 is increasingly expressed and released into the serum of patients positive for colonic growths/tumors in relation to disease progression: Diagnostic implications" (poster) DDW 2011, Chicago, IL, May 7, 2011.
2. Rashidi L, Gajjar A, **Bauer V** "Three Dimensional Anorectal Manometry (3D ARM) Predicts Sphincter Defect on Three Dimensional Anal Ultrasound" (poster 24; Abstract No. 1024227) ASCRS, Vancouver, Canada, May 14-18, 2011.
3. Evans P, Al-Zoubaidi, Riall T, Chao C, **Bauer V**. "Excessive Crystalloid Increases Surgical Infection in Elective Colectomy" (poster, Abstract No. NP2011-13096) Clinical Congress. American College of Surgeons, San Francisco, CA, October 23-27, 2011.
4. Castellanos-Gonzalez A, Cabada M, Dann S, **Bauer V**, Gomez G, Nichols J, White Jr. AC. "Human primary epithelial cell model for cryptosporidium infection", ASTMH meeting, May 3, 2011.