

Biographic Information - Barry N. Gardiner, M.D.

Education:

College: University of Utah, Salt Lake City, Utah
Medical School: University of Pennsylvania, Philadelphia
Intern in Surgery: University of California Medical Center; San Francisco, California (UCMC, SF)
Resident in Surgery: UCMC, SF
N.I.H. Fellowship: Gastroenterology, N.I.H. Research Trainee, Department of Gastroenterology
Two year research investigation into the pathophysiology of cholesterol gallstone formation under Donald M. Small; Boston University, Boston, Massachusetts
Senior Resident: UCMC, SF
Chief Resident: UCMC, SF

Military:

U.S. Army: Lt. Colonel - Staff Surgeon, Instructor, and Director of Department of Experimental Surgery, Presidio of San Francisco

Board Certification:

1975: American Board of Surgery (Certificate No. 21044)

Past Positions:

Clinical Faculty: University of California San Francisco School of Medicine 1974 - 1977
Acting Chief, Experimental Surgery, Gallstone Pathology;
Letterman Army Institute of Research, Presidio of San Francisco 1974 - 1977
Instructor in Surgery: University of California San Francisco School of Medicine 1978 - 1980
Chief, Division of General Surgery; Providence Hospital, Oakland, California 1983 - 1984
Developer and Past Chairman of the Board; The Surgery Center, Oakland, California
Past Managing General Partner; The Surgery Center; Oakland, California
Visiting Assistant Professor; Department of Surgery, University of California
Davis Medical Center; Sacramento, California 1991 thru 1993
Associate Clinical Professor; Department of Surgery; University of California
Davis Medical Center; Sacramento, California 11/93 to 06/98
General Surgeon; Private Practice; Oakland, California 1977 to 05/00
Cofounder: Robotic Surgery Consultants 11/03 to 11/05
Director of Minimally Invasive and Computer Enhanced Surgery; San Ramon Regional
Medical Center; San Ramon, California 05/00 to 09/08

Current Positions:

General Surgeon; Private Practice; San Ramon, California 05/00 to present

Hospital and Surgery Center Affiliations:

San Ramon Regional Medical Center; San Ramon, California; Active Staff
Dameron Hospital; Stockton, California – For Anterior Spinal Exposure Only
Dignity Health St. Joseph's Medical Center; Stockton, California - For Anterior Spinal Exposure Only

Professional Service:

Surveyor for Accreditation Association for Ambulatory Health Care (AAAHC) 1989 - 06/98
Expert Reviewer; Medical Board of California 05/97 to present

Professional Activities in Pioneering Laparoscopic General Surgery and Robotic (da Vinci™) Surgery:

Speaker: East Bay Surgical Society, "Current Status and Experience with Endoscopic Cholecystectomy"; St. Helena, California; Spring Meeting, 1990.
Guest Faculty: University of Utah School of Medicine Postgraduate Course in Laparoscopic Cholecystectomy (Endorsed by SAGES); January 25, 26, 27, 1991.
Participant: Symposium; "New Frontiers in EndoSurgery"; New Brunswick, N.J.; April 5, '91
Speaker: East Bay Surgical Society Annual Meeting; "Update: Minimal Access Surgery"; Yosemite, CA; April 14, 1991.

Professional Activities in Pioneering Laparoscopic General Surgery and Robotic (da Vinci™) Surgery (continued):

- Guest of Professor Alfred Cuschieri, Head of Department of Surgery; University of Dundee, Scotland; May, 1991.
- Guest Faculty: University of Utah School of Medicine Postgraduate Course in Laparoscopic Cholecystectomy (Endorsed by SAGES); July 12 - 14, 1991
- Speaker for Grand Rounds, University of California, Davis-East Bay Surgery Residency Program, "The Invasion of Minimal Access Surgery", August 22, 1991.
- Faculty: University of California, Davis (UCD); Postgraduate Laparoscopic Cholecystectomy Course; Davis, California; August 23 - 24, 1991 (repeated September 12 - 13, 1991).
- Member, Focus Group; Davis & Geck; Laparoscopic Bowel Instruments; Boston, Massachusetts, January 6 & 7, 1992.
- Speaker: Southern California Chapter of American College of Surgeons Meeting; "Laparoscopic Approaches to Hernia Repair"; January 17, 1992
- Faculty: University of California, Davis (UCD); Postgraduate Laparoscopic Surgery Course for Kaiser Permanente Surgeons; Davis, California; January 30 - 31, 1992.
- Faculty: University of Colorado and Rose Medical Center; Denver, CO: "Advanced Laparoscopy", February 14-16, 1992.
- Faculty: University of California, Davis (UCD); Postgraduate Laparoscopic Surgery Course; Davis, California; February 27-28, 1992.
- Guest Faculty: University of Utah School of Medicine Postgraduate Course in Advanced Endoscopic Surgical Procedures; March 20, 21, 1992.
- Faculty: "Advanced Laparoscopic Surgical Procedures"; Dayton, Ohio; April 25, 1992.
- Faculty: Seattle Symposium; "Laparoscopic Colon Surgery - A Revolution in Progress"; Seattle, Washington; May 9, 1992.
- Moderator, San Francisco Portion of National Teleconference on Advanced Laparoscopic Procedures; May 16, 1992.
- Speaker: East Bay Chapter AAMT; "Minimal Access Surgery", June, 1992.
- Faculty: Advanced Laparoscopic Colon Course (sponsored by Ethicon); Cincinnati, Ohio; April 13, 1993.
- Expert Panelist for the Doctor's Company re Laparoscopic Cholecystectomy Complications, May 13, 1993.
- Guest Faculty: Dartmouth-Hitchcock Medical Center (New Hampshire) Postgraduate "Workshop In Advanced Laparoscopy: Bowel and Hernia"; May 14 & 15, 1993.
- Faculty: Advanced Laparoscopic Bowel (Colon & Rectal) Surgery; sponsored by Ethicon EndoSurgery in conjunction with U. C. Davis Laboratory; Davis, California; July 23, 1993.
- Faculty: "Advanced Laparoscopic Surgery--Laparoscopic Colectomy and Herniorrhaphy"; Roswell Park Cancer Institute and State University of New York at Buffalo; Buffalo, New York; September 10 & 11, 1993.
- Faculty: "MOET Institute's Laparoscopic Suturing Techniques Course"; Shadyside Hospital; Pittsburgh, Pennsylvania; September 30 and October 1 & 2, 1993.
- Faculty: "An Introduction to Laparoscopic Suturing Techniques"; MOET Institute; San Francisco, California; October 9, 1993.
- Faculty: "Laparoscopic Hernia/Gastric Course"; The Christ Hospital in conjunction with the EndoSurgery Institute; Cincinnati, Ohio; November 15 & 16, 1993.
- Faculty: "Surgical Laparoscopy--Advanced Techniques Course"; in conjunction with MOET Institute; Koriyama, Japan; November 23 & 24 and November 25 & 26, 1993.
- Speaker: "Bowel and Gastric Procedures", Mills and Peninsula Hospital Symposium; San Mateo, January 28, 1994
- Speaker: "Advanced Laparoscopic Gastric and Bowel Procedures"; U.C. Davis; Davis, California; April 8, 1994.
- Speaker: Symposium on Current Issues in Professional Liability; Topics: "The Medical-Legal Impact of Laparoscopy in General Surgery" and "Breast Cancer: Medical-Legal Ramifications"; Kaiser Permanente Medical Care Program, Regional Staff Education Department, Northern California; Oakland, California; May 21, 1994
- Speaker: "New Frontiers in the Management of Gastro Esophageal Reflux Disease; Topic: "Results and Data: Laparoscopic Nissen Fundoplication; Sponsored By Janssen, Ethicon EndoSurgery and Olympus; San Francisco, California; September 10, 1994.
- Faculty: Laparoscopic Gastric Procedures"; Didactic and Animate Lab; UC Davis and Ethicon EndoSurgery; Davis, California; October 21, 1994
- Speaker: " Endoscopic Hernia Repair"; 17th Annual Postgraduate Course; UC Davis Department of Surgery and Office of Continuing Medical Education; Sacramento, California; January 14, 1995.
- Faculty: Laparoscopic Suturing Workshops; 2nd Asian Pacific Congress of Endoscopic Surgery; Hong Kong; June 20 - 23, 1995
- Speaker: "Laparoscopic Hernia Repair; Current Status"; 18th Annual Postgraduate Course; UC Davis Department of Surgery and Office of Continuing Medical Education; Sacramento, California, January 12, 1996
- Speaker: "The Laparoscopic Revolution: Past, Present and Future"; Sixth Annual "Symposium by the Bay", East Bay Chapter AAMT; Oakland, California; April 20, 1996.

Lead Faculty: "Laparoscopic Hernia Repair"; MultiCare EndoSurgery Institute; Tacoma, Washington;
December 6 & 7, 1996.

Professional Activities in Pioneering Laparoscopic General Surgery and Robotic (da Vinci™) Surgery (continued):

Speaker: "Telepresent Surgery: Fact or Fantasy?"; 19th Annual Postgraduate Course; UC Davis Department of Surgery and Office of Continuing Medical Education; Sacramento, California; January 11, 1997.

Lead Faculty: "Laparoscopic Hernia Repair"; MultiCare EndoSurgery Institute; Tacoma, Washington;
May 30 & 31, 1997.

Speaker: "Telepresent Surgery in Fundoplication and Cholecystectomy - a Randomized Clinical Trial of 200 Patients"; SAGES 1999 Scientific Session; San Antonio, Texas; March 27, 1999.

Guest Faculty: "Minimally Invasive Surgical Techniques for Colorectal Surgery and Gastroesophageal Reflux Surgery"; Stanford University; Palo Alto, California; June 14, 2001.

Faculty: "Robotic Prostatectomy in the Community Hospital"; 2002 International Robotic Urology Symposium; Henry Ford Vattikuti Urology Institute; Detroit, MI; November 7 & 8, 2002.

Poster Presentation: "Robotic Assisted Ventral Hernia Repair – A Feasibility Study", SAGES 2007 Scientific Session; Las Vegas, Nevada; April 21 & 22, 2007.

Speaker: "Robots and the General Surgeon: Necessity or Luxury?", 15 Annual International Wu Ho -Su Memorial Symposium on Innovation of Surgery; Taipei, Taiwan; September 2, 2007.

Ongoing proctoring of surgeons for their initial advanced laparoscopic procedures.

Ongoing collaborations to refine or develop instrumentation for endoscopic surgery.

Professional Activity Associated With Pioneering Computer-Enhanced Laparoscopic Surgical System (da Vinci™):

Served as principal clinical advisor to Intuitive Surgical, Inc. [industry leader in computer-enhanced laparoscopic surgical system technology] from its inception through February, 2002. This involved providing clinical input to the engineers for the design specifications of this enabling robotic technology (a.k.a. the da Vinci™), and ongoing bench, laboratory and clinical testing of the system through the construction and regulatory phase.

Served as the principal investigator in the prospective randomized controlled trial for the application of the da Vinci™ surgical system in general surgery, consisting of 228 patients who underwent laparoscopic surgical treatment for cholelithiasis or gastroesophageal reflux disorder. Four surgeons were involved in the trial, with Dr. Gardiner performing 50 of the 228 procedures. Trial was sponsored by Intuitive Surgical and took place between July 1998 and October 1998.

Presented the results of this clinical trial to the panel meeting of the FDA in July of 1999, which resulted in FDA clearance of the da Vinci™ surgical system for general laparoscopic use.

After extensive background work (documentation available upon request), began work with a urologist developing the steps for use of the da Vinci™ surgical system in urology, including the laparoscopic radical prostatectomy.

Credentialed as proctor/mentor for da Vinci™ assisted procedures in general surgery, urology, thoracic surgery and gynecology. Have been "console side" and/or "patient side" surgeon for more than 300 da Vinci™ assisted radical prostatectomies, and more than 500 general, thoracic, GYN, and other urology da Vinci™ assisted surgical procedures.

Combined, this volume and breadth of da Vinci™ surgical system cases currently represents one of the most extensive of any surgeon in the United States.

Professional Societies:

Alpha Omega Alpha Honor Society

Alameda-Contra Costa Medical Association

American Hernia Society

Society of American Gastrointestinal Endoscopic Surgeons (SAGES)

PUBLICATIONS

1. Pierce, W.S., Gardiner, B. N., Morris, L.: Total Heart Replacement by a Single Intrathoracic Blood Pump, J. Surg Res 5:387-397, September, 1965.
2. Pierce, W.S., Morris, L., Gardiner, B.N.: Experimental Use of a Single Mechanical Ventricle to Replace the Dog's Heart, Trans Am Soc Artif Intern Organs, 11:271-276, 1965.
3. Gardiner, B.N. and Tearston, G.: Experience with a Servo Regulated Artificial Heart. Presented before the Undergraduate Medical School Association, 1966. Recipient: Priestly Prize.
4. Sheldon, G.F., Gardiner, B.N., Dunphy, J.E.: Management of Gastrointestinal Fistulas, S.G. and O 133:385-389, September, 1971.
5. Gardiner, B.N. and Small, D. M.: The Effects of CCK and Secretin on the Secretion of Bile Salts and Biliary Lipids in the Rhesus Monkey with and Intact Enterohepatic Circulation, Clinical Investigation April, 1971.
6. Deveney, C., Gardiner, B.N., and Way, L.: Effect of Truncal Vagotomy on Bile Kinetics in the Rhesus Monkey, Surgical Forum 25:402-404, 1974
7. Gardiner, B.N., Conaway, C., and Small, D.: Effects of Secretin and CCK on the Relative Composition of Hepatic Bile in Rhesus Monkeys, Surgical Forum 26:437-439, 1975.
8. Gardiner, B.N., and Small, D.M.: Simultaneous Measurement of the Pancreatic and Biliary Response to CCK and Secretin in the Primate--a Method, Gastroenterology 70:403-407, 1976.
9. Gardiner, B.N., and Conaway, C.: Quantitation of Gallbladder Function and it Effect on Bile Salt Metabolism in Primates, Surgical Forum 27:313-315, 1976
10. Wolfe, B.M., Gardiner, B. N., and Frey, C: Laparoscopic Cholecystectomy: A Remarkable Development, JAMA Vol. 265, No. 12:1573-1574, March 27, 1991.
11. Wolfe, B.M., Gardiner, B.N., Leary, B.F., and Frey C.F.: Endoscopic Cholecystectomy -An Analysis of Complications, Archives of Surgery Vol. 126, No. 10:1192-1198, October, 1991.
12. Gardiner, B.N., Chin, A.K., Moll, F.H., and Szabo, Z.: Extraperitoneal Laparoscopic Hernia Repair: Experience In 178 Patients, Surgical Technology International III, 237 - 242, 1994.