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2. **"Esophageal Function Studies and Their Role in Patient Management,"** Practical Reviews in Surgery, 1977.
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Dr. DeMeester's interest is in foregut and pulmonary disease. He is the originator and developer of the field of non-invasive foregut ambulatory monitoring and has made a number of important contributions to the understanding of the physiology and pathophysiology of diseases of the esophagus and their surgical correction. In the area of oncology he has focused on malignant degeneration of Barrett's esophagus, esophageal tumors, and lung cancer. His studies have resulted in invitations to present 27 named lectures.

In the area of teaching, Dr. DeMeester has established a problem-oriented program of surgical education, which centers on key questions. As Chairman of the Departments of Surgery at Creighton University and the University of Southern California, he implemented and gained practical experience with this program over the last ten years. It has been a successful and productive way of teaching analytical skills to medical students.

Dr. DeMeester's experience in university medicine consists of eight years at Johns Hopkins University, where he received his surgical training and started his investigative career; ten years at the University of Chicago, where he began as an Assistant Professor and rose to the rank of tenured full Professor; seven years at Creighton University where he was Professor and Chairman of the Department of Surgery; and at the University of Southern California where he is currently Chairman of the Department of Surgery. He served on a variety of university committees and in a leadership capacity in a number of professional societies as a member of their council or board of trustees. He has also served on the board of trustees of the Westminster Theological Seminary in Philadelphia, a distinguished Presbyterian theological school. He served on the board of directors of the Luke Society, a medical missionary group focused on providing medical care to underprivileged areas of the United States and third-world countries. In 1989, he received an Honorary Medical Degree from Linköping University in Sweden in recognition of his contributions to the understanding of esophageal disease. In 1993, Dr. DeMeester was honored by the National Minister of Education of the Republic of France as an Officer of the French Order of the Academic Palms. This order was instituted in 1808 by Napoleon I and is given to selected eminent academicians who have served France by their contributions in the field of education and science. In 1997, Dr. DeMeester was selected to receive an Honorary Doctor of Medicine from Lund University in Sweden. He was elected a member of The Johns Hopkins University Society of Scholars in 2000.

Teaching Record:

Dr. DeMeester has been active in both the undergraduate and graduate level of medical education. As mentioned above, he has established a problem-oriented program of surgical education centered on key questions and has had practical experience in the application of this methodology. He has established an annual postgraduate course, which is focused on the esophagus in conjunction with Dr. Donald Castell, a noted investigator in the field of gastroenterology. This represents a unique surgical and medical approach to diseases of the foregut. Dr. DeMeester has been involved in the teaching of surgical science to residents at Tripler Army Hospital in Hawaii, the University of Chicago, Creighton University, and the University of Southern California. He has also had a succession of research fellows from both domestic and foreign universities who worked with him for periods of one year. This association has resulted in the development of their own investigative career in diseases of the esophagus and formed the basis of their doctoral dissertations.

Service Record:

Dr. DeMeester's life has been devoted to academic surgical training. This consisted of three years at Tripler Army Hospital in Hawaii, ten years at the University of Chicago, seven years at Creighton University, and from 1990 to the present at the University of Southern California. While at Creighton he competitively sought grants from Health Future Foundation totalling \$2.4 million, from which he was able to establish the Creighton University Gastrointestinal Diagnostic and Research Center and the Creighton University Cardiovascular Training and Research Unit. Both of these units have an active investigational and clinical arm and have supported a number of investigative studies by the faculty in both the areas of foregut and cardiovascular disease. They have been effective in increasing a large referral patient population to the hospital for treatment in these areas. He also received a National Institutes of Health research grant on duodenal gastric reflux in health and disease.

Professionally, his service record includes serving on councils of a number of major professional societies, accrediting bodies for surgical residency programs, and has been a contributor to the postgraduate education of surgeons through numerous visiting professor and lectureships at medical centers and professional societies.

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Dr. DeMeester received his medical degree from the University of Michigan and completed his surgical residency in general and thoracic surgery at The Johns Hopkins Hospital in Baltimore, Maryland.

Dr. DeMeester's interest is in foregut and pulmonary disease. He is the originator and developer of the field of non-invasive foregut ambulatory monitoring and has made a number of important contributions to the understanding of the physiology and patho-physiology of diseases of the esophagus and their surgical correction. In the area of oncology he has focused on malignant degeneration of Barrett's esophagus, esophageal tumors and lung cancer. His studies have resulted in 413 publications in peer-reviewed journals, 155 book chapters and 9 books, and he has been invited to present 34 named lectures. He received an honorary Doctorate of Medicine degree from Linköping University, Sweden, Lund University, Sweden, and the University of Athens, Greece. Dr. DeMeester was elected a member of The Johns Hopkins University Society of Scholars, and honorary membership in the German Society of Visceral Surgery, the Spanish Association of Surgeons, the Association of Upper Gastrointestinal Surgeons of Great Britain and Ireland, and the Hungarian Surgical Society. He is an Officer of the French Order of the Academic Palms, Paris. He serves on the editorial board and as an ad hoc reviewer of many surgical journals and is past president of 5 societies.