

CURRICULUM VITAE

Name: HERMAN A. HECK, JR, MD, FACS

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Education

Undergraduate:

Louisiana State University, Baton Rouge, LA; BS (Arts & Sciences, Magna cum Laude) – 1969

Graduate/Medical:

Louisiana State University School of Medicine, New Orleans, LA; MD, with Honors – 1972

Internship:

University of Alabama at Birmingham, Birmingham, AL; straight Surgery – 1972 -1973

Residency:

University of Alabama at Birmingham, Birmingham, AL; General Surgery - 1973 -1977

Post-Doctoral Fellowships:

University of Iowa Hospitals and Clinics, Iowa City, IA; Thoracic Surgery – July 1977 – January 1980

Clinical Fellowships:

University of Alabama at Birmingham, Birmingham, AL; Special Cardiovascular fellow (pediatric and re-operative adult cardiac surgery) July 1988 - January 1990

Other: N/A

Certification:

Federation Licensure Examination (FLEX), Fin No. 011319252, June 15, 1972

American Board of Surgery, certificate # 23786, May 10, 1978

American Board of Thoracic Surgery, certificate # 3698, May 22, 1981

American Board of Thoracic Surgery, recertification - Dec, 1989

American Board of Thoracic Surgery, recertification – Dec, 2000

Licensure:

Louisiana: # 012006 – Sept 21, 1972

Alabama: # 6331 – July 26, 1973

Georgia: #032580 - Dec 7, 1989

West Virginia: #17325 – July 12, 1993

Academic, Professional, Research appointments

Academic:

Herman A. Heck, Jr, MD, FACS

Instructor, Division of Cardiothoracic Surgery, University of Alabama at Birmingham, July 1988 -January 1990
Assistant Professor of Surgery, Department of Surgery, Section of Cardiothoracic Surgery, Medical College of Georgia, January 1990 – June 1993
Assistant Professor of Surgery, Department of Surgery, Section of Cardiothoracic Surgery, Louisiana State University Health Sciences Center, Nov, 1994 – June 2000
Associate Professor- Clinical Surgery, Dept of Surgery, Section of Cardiothoracic Surgery, 2000 – present
Interim Chief, Section of Cardiothoracic Surgery, September 2005 – present

Professional:

Active Staff: University Hospital, VAMC-NO, Lindy Boggs Medical Center
Memorial Medical Center, Children's Hospital Medical Center

Research: N/A

Membership in Professional Organizations

Fellow, American College of Surgeons – October 1984
Fellow, Society of Thoracic Surgeons – January 1984
Fellow, Southeastern Surgical Congress – February 1978
Fellow, American College of Chest Physicians – October 1983
Fellow, Southern Thoracic Surgical Association – November 1983
Fellow, American College of Cardiology – February 1982
Fellow, Southern Medical Association – July 1995
Surgical Association of Louisiana – July 1995
Louisiana State Medical Society – July 1995
New Orleans Surgical Society – July 1995
Orleans Parish Medical Society – July 1995
James D. Rives Surgical Society – October 1995
Surgical Society of the University of Alabama at B'ham – July 1977

Awards and Honors:

LSU Medical School Aesculapian Medical Honor Society – 1969
LSU Medical School Undergraduate Medical and Surgical Society – 1969
LSU Chapter, Alpha Omega Alpha National Medical Honor Society – 1971
Phi Kappa Phi Undergraduate National Scholastic Society – 1968
Phi Eta Sigma Undergraduate Freshman Honor Society – 1967
LSU Alpha Epsilon Delta Premedical Honor Society – 1967
LSU Mu Sigma Rho Undergraduate Scholastic Honor Society – 1968
Eben Carey Memorial Anatomy Award, LSU Medical School – 1969

Teaching Experience/Responsibilities

Course/Clerkship/Residency-Fellowship/CME Directorships:

Director of Non-Cardiac Thoracic Surgery for the thoracic surgery fellowship program from July 2002 – July, 2005; responsible for the development and implementation of clinics, didactic curriculum, and clinical instruction for the teaching program for thoracic surgery fellows in training.

Curriculum Development/Implementation:

Department of Surgery monthly Journal Club; responsible for the initiation of the program in 2001, as well as organizing and scheduling a monthly collaboration of faculty with residents to research and present three articles per month

Thoracic Surgery fellowship weekly seminars; responsible for the organization of a schedule of topics/presenters in thoracic and cardiovascular surgery for weekly didactic presentation in PowerPoint format to the faculty and fellows of the thoracic surgery fellowship training program.

Co-founder, Children's Hospital pediatric cardiac surgical program, 1996

Co-developer, LSUHSC thoracic surgery fellowship training program, 2002

Responsible for initiation and development of the off-pump coronary surgery, thoracoabdominal aortic surgery, and minimally invasive valve surgical programs and endobronchial stenting program at UH and VAMC-NO

Creation of Enduring Teaching Materials:

Founder, CHNO-MCL cardiothoracic surgical clinic for thoracic surgery fellowship training

Five seminar lectures in Cardiothoracic Surgery on CD-Rom as permanent teaching material for the Department of Surgery Grand Rounds lecture series for the teaching archives

Formal Course Responsibilities:

Third year Surgery rotation student lecture, 6 hrs/yr x 14 yrs

Department of Surgery General Surgery Residency clinical and operative supervision and teaching for clinical rotations in thoracic and cardiac surgery in the first and third years of a five year general surgery residency, 2880hrs/yr (pre-Katrina) x 14 yrs

Departmental/Interdisciplinary conferences:

Thoracic surgery training fellowship weekly seminar, 2002-2005
Department of Surgery Grand Rounds
Department of Surgery monthly Journal Club

Special Clinical Rounds: N/A

Teaching Awards: N/A

Graduate Students Trained: N/A

Thesis and Dissertation Committees: N/A

Post-Doctoral or Post-Residency Fellows trained:

3 Thoracic Surgery Fellows: Jody Kaban, Vicky Chappell, and Eric Presser

Grants and Contracts

Funded:

Co-PI, American Heart, Association Grant #78-G-11, 1977. Assisted Circulation by Phasic External Lower Body Compression; Department of Surgery, Section of cardiothoracic surgery, University of Iowa, Iowa City, IA

Co-Investigator, VAMC Cooperative Study Grant CSP 474, 2003 – 2005 (ongoing; withdrew as a result of Katrina). Radial Artery vs. Saphenous vein as a conduit for coronary artery bypass surgery VAMCNO, New Orleans, LA multi-institutional study participant

PI, VAMC Cooperative Study Grant CSP 563, 2002. On vs. Off-Pump Coronary Artery Bypass Surgery. VAMC-NO, New Orleans, LA multi-institutional study participant. (Withdrew from study due to conflict of interest with newly instituted fellowship training program)

Pending Funding: N/A

Non-Funded Applications: N/A

Research Review Committees: N/A

Inventions and Patents: N/A

Papers Presented

Scientific: Conduit Repair for Complex Cyanotic Congenital Heart Disease. American Association of Thoracic Surgeons Annual Meeting, May 7-10, 1978, New Orleans, LA.

Seminars and Invited Presentations

Plenary lectureships at professional meetings/symposia: N/A

Visiting professorships or seminars: N/A

CME lectures: N/A

Editorial Posts and Activities

Journal editorships or associate editorships: N/A

Reviewer status:

Annual Reviewer for the Annals of Thoracic Surgery, 2003 – 2005
Reviewer for Journal of the American College of Surgeons, 2005

University/Institutional Service

Herman A. Heck, Jr, MD, FACS

Departmental Committees: N/A

School of Medicine Committee:

Search committee for Chief of Cardiology, 2005-06;
Credentials committee

LSUHSC (campus) committees: N/A

Hospital committees:

University/Charity Hospital's OR capital equipment committee

Professional Societies committee:

LA chapter, American College of Surgeons – council member

Special Assignments: N/A

Clinical Service

In-Patient Service Activities:

Daily clinical care, consultative and operative responsibilities at
University Hospital for cardiac and general thoracic surgical care (240 –
380 cardiac cases/yr and 80 – 100 major thoracic/vascular cases/yr)

Daily clinical care, consultative and operative responsibilities at
VAMC-NO for cardiac surgical care (140-150 cases/yr)

Occasional clinical care, consultative services and operative
responsibility at Children's Hospital, Lindy Boggs Medical Center, and
Memorial Medical Center for cardiac and thoracic cases (approx. 20-30
cases/yr.)

Clinic Coverage:

CHNO-MCL cardiothoracic surgical clinic, once-twice, monthly
VAMC-NO cardiac surgical clinic, once-twice, monthly
LSUHSC private practice clinic, two-three days/month

Call:

One day/wk, one three-day weekend/month

Administrative Responsibilities

Departmental:

Director of Non-cardiac Thoracic surgery, 2002-2005, responsible for
development and implementation of the didactic aspects of the thoracic
fellowship training program and evaluation/documentation/submission
of fellow's progress;

Department of Surgery Journal Club didactic program, responsible
for organization and scheduling of materials, dates and participants;

Presently (Oct, 2005-present) interim chief of cardiothoracic surgery
in the aftermath of Katrina, charged with re-establishing and
administering the section in-absentia from University Hospital and
VAMC-NO.

School of Medicine:

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Credentials committee, responsible for review and credentialing of aspiring faculty for LSUHSC/MCLNO

LSUHSC: N/A

Hospital:

University Hospital OR capital equipment committee, physician liaison responsible for reviewing and standardizing specifications of certain OR equipment/prostheses in accordance with the Amerinet bid-purchase program of MCL

Interdisciplinary/other program: N/A

Community Service Activity: N/A

Books: N/A

Book Chapters:

Heck Jr HA, Pacifico AD, McConnell ME, Colvin EV, Kirklin JW: Complications Following Surgical Repair for Tetralogy of Fallot. Management of Complications in Cardiothoracic Surgery. Waldhausen JA, Orringer MB (eds) 1991; pp 180-189. Mosby Year Book, Inc, St. Louis, MO

Heck Jr HA, Levitsky MG. The Respiratory System. The Physiologic Basis of Surgery. O'Leary JP (ed) 2002: pp 419-456, Lippincott Williams & Wilkins, Philadelphia, PA

Videos & Multimedia: N/A

Scientific Exhibits:

Poster Exhibit: **Heck Jr HA**, Doty DB. Assisted Circulation by Phasic Lower Body Compression. American Heart Association Annual Meeting, January, 1981, Miami, FL

Poster Exhibit: Somme S, **Heck Jr HA**, Munfakh NA. Tissue Plasminogen Activator in Retained Hemothorax; Intrapleural t-PA used in the Treatment of. Retained Hemothorax Southeastern Surgical Congress, New Orleans, Feb, 2001

Journal Publications

Refereed:

Heck Jr HA. Adequate Myocardial Preservation for the Severely Impaired Ventricle: An Informed Opinion. Alabama Medicine, 1985; 54(12): 41-44

Heck Jr HA, Schieken RM, Laur RM, Doty DB. Conduit Repair for Complex Cyanotic Congenital Heart Disease. J Thorac Cardiovasc Surg, 1978; 75(6): 806-814

Heck Jr HA, Wright CB, Doty DB, Rossi NP, Ehrenhaft JL. Combined Multiple Valve Procedures: A Five Year experience with 125 Patients. Ann Thor Surg, 1979; 27(4): 320-327

Heck Jr HA, Rossi NP. Carcinoma of the Esophagus and Esophagogastric Junction: An Evolved Philosophy of Management. Cancer, 1980; 46(8): 1873-1878

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Heck Jr HA, Doty DB. Assisted Circulation by Phasic External Lower Body Compression. *Circulation*, 1981; 64(Suppl II): II-118-II-122

D'Cruz I, Pallas C, **Heck Jr HA**. Echocardiographic Diagnosis of Effusive-Constrictive Pericarditis Due to Staphylococcus Aureus Pericarditis After Cardiac Surgery. *Southern Medical Journal*, 1991; 84(11): 1375-1377

Heck Jr HA, Gross CM, Houghton JL. Chronic Severe Pulmonary Hypertension Associated with Right Atrial Myxoma. *Chest*, 1987; 102: 302-303

Heck Jr HA, Moore HV, Lutin WA, Leatherbury L, Truemper EJ, Steinhart CM, Pearson-Shaver AL. Esophageal-Aortic Erosion Associated with Double Aortic Arch and Tracheomalacia: Experience with Two Infants. *Texas Heart Journal*, 1993; 20: 126-129

Heck Jr HA, Lutcher CL, Falls DG. Fatal Thrombocytopenic Coagulopathy Following Cardiopulmonary Bypass: Clinicopathologic Correlations Implicating Heparin. *Southern Medical Journal*, 1994; 87(8): 789-793

Harrison LH, **Heck Jr HA**. The Shawl-Lapel Aortoplasty. *Ann Thor Surg*. 1996; 62: 1867

Webb W, Harrison L, Camino A, Munfakh N, **Heck H**, Moulder P. Carbon Dioxide Field-Flooding Minimizes Residual Intracardiac Air after Open Heart Operations. *Ann Thor Surg*, 1997; 64: 1489-1491

Crumb WJ, Pigott JD, Nenova N, Munfakh N, Harrison LH, **Heck HA**, Clarkson CW, Roca TP. Fatty Acid Block of the Transient Outward Current in the Adult Atrium. *J Pharm & Exp Thera*, 1999; 289: 386-391

Caspi J, Zalstein E, Zucker N, Applebaum A, Harrison LH, Munfakh N, Ferguson TB, **Heck Jr HA**, Stopa A, White M, Fontenot E. Surgical Management of Tetralogy of Fallot in the First Year of Life. *Ann Thor Surg*, 1999; 68: 1344-1349

Caspi J, Pettit T, Fontenot E, Stopa A, **Heck HA**, Munfakh N, Ferguson T, Harrison LH. The Beneficial Hemodynamic Effects of Selective Patent Vertical Vein following Repair of Obstructed Anomalous Pulmonary Venous Drainage in Infants. *Eur Journal of Cardiothorac Surg*, 2002; 20: 830-834

Scanlan MC, Kruspe R, Cochran GA, **Heck HA**, Glancy DL. Snakebite and a Heart Murmur. *Baylor University Medical Proceedings*, 2004; 27(3):350-352

Chappell VL, **Heck Jr HA**. Repair of Large Iatrogenic Tracheo-Esophageal Fistulae. Accepted for publication in *Ann Thor Surg*, Aug 31, 2005

Bruce S. Torrance, III MD, Joshua E. Schwimer BS, Jessica L. Thompson PhD, Jason Cundiff MD, Forrest Rubenstein MD, H., **Andrew Heck, Jr MD**, Catherine T. Anthony PhD, Yi-Zarn Wang MD, and Eugene A. Woltering MD. Celecoxib and Rofecoxib Inhibit Angiogenesis in Human Cardiac Tissue---*Annals of Cardiothoracic Surgery*.

Non-Refereed:

Herman A. Heck, Jr, MD, FACS

Heck Jr HA. Myocardial Preservation. Cardiac Focus – Bulletin of the Medical Staff of the Mobile Infirmary Medical Center, 1985; 1: 13-18

Heck Jr HA. The Natural History of Thoracic Aortic Aneurysms Relative to the Results of Current Surgical Management. Vascular Surgery Focus – Bulletin of the Medical Staff of the Mobile Infirmary Medical Center, 1985; 3: 18-31

Abstracts:

Hiratzka LF, **Heck Jr HA**, Burr JW, Wright CB. Effects of Sodium Nitroprusside and Phentolamine in Canine Hind Limb following Femoral Venous Occlusion. Clin Res, 1979; 27: 564A

Zayed FF, Belal PM, **Heck Jr HA**, Ferguson TB, Helmke FR, Glancy DL. Aortic Root Conduction Disturbances Augur a Poor Prognosis in Prosthetic Aortic Valve Endocarditis. J Invest Med, 2002; 50:138A