Front Matter
FEATURE ARTICLES: Medical Computing at Henry Ford Hospital

Medical Applications of Computers in the Hospital
Laurens V. Ackerman, MD, PhD
Michael E. Somand, MD

A Microcomputer Database in a Clinical Environment
Dennis R. Ownby, MD
Thomas A. Burnett, MEd

Computer Applications in the Vascular Registry of Henry Ford Hospital: Use of a Simplified Access Method
Joseph P. Elliott, Jr, MD
Kunwar Kapoor, PhD
John H. Hageman, MD
D. Emerick Szilagy, MD
Roger F. Smith, MD
Michalene McPharlin, RN

Developing an Integrated Natural Language Database for Gastrointestinal Disease
Peter J. Feczko, MD
Laurens V. Ackerman, MD, PhD
Robert D. Halpert, MD
Stuart M. Simms, MD

Computer-assisted Methods for Design Optimization of Cardiac Bioprosthetic Valves
Mohamed S. Hamid, PhD
Hani N. Sabbah, BS
Paul D. Stein, MD

Automating the Expertise of the Neuropsychologist
Kenneth M. Adams, PhD
Gregory G. Brown, PhD

Cooperation Between a Radiology Computer Consortium and a Computer Manufacturer in the Development of a Radiology Information System
Matthew W. Burke, MD
Laurens V. Ackerman, MD, PhD

Distributed Computing in a Hospital Environment
Steven R. Lund
Laurens V. Ackerman, MD, PhD
James B. Martin, PhD

CASE REPORTS

Intracerebral Hemorrhage After Carotid Endarterectomy
José Biller, MD
Andrew C. Hayes, PA-C
Fred N. Littooy, MD
William H. Baker, MD

Cardiac Papillary Fibroelastoma: A Source of Coronary Artery Emboli and Myocardial Infarction
Gerald Fine, MD
Shoba R. Pai, MD

INSTRUCTIONS TO AUTHORS

ANNOUNCEMENTS
The Henry Ford Hospital Medical Journal is published quarterly by the Henry Ford Hospital and is distributed to Henry Ford Hospital staff, alumni, and to medical centers and libraries in the United States and abroad. It is also sent, upon request, to physicians or medical students in their third and fourth years of medical school. Medical students should state the year of their graduation when requesting the Journal. Requests should be sent to the Scientific Publications Office, 2015 Education and Research Center, Henry Ford Hospital, 2799 W Grand Blvd, Detroit, MI 48202.

For changes of address, please enclose the old address label, give the complete new address, and allow six weeks for processing.

The Journal publishes the work of any current or former staff member of Henry Ford Hospital, alumni, and participants in academic and scientific activities, meetings, and symposia sponsored by Henry Ford Hospital. The Journal is listed by Index Medicus and is intended to be a broad scientific forum for all areas of interest: clinical, research, technical, administrative, patient care delivery. Complete instructions for authors wishing to submit a manuscript are printed at the back of the first issue of each year.

Back copies of the Journal are available from Xerox University Microfilms, 300 N Zeeb Rd, Ann Arbor, MI 48106, as 3.5 mm microfilms (Vols 1-20) or as 16 mm films (Vols 19-present).
FEATURE ARTICLES: Medical Computing at Henry Ford Hospital

Medical Applications of Computers in the Hospital
Laurens V. Ackerman, MD, PhD
Michael E. Somand, MD

A Microcomputer Database in a Clinical Environment
Dennis R. Ownby, MD
Thomas A. Burnett, MEd

Computer Applications in the Vascular Registry of Henry Ford Hospital: Use of a Simplified Access Method
Joseph P. Elliott, Jr, MD
Kunwar Kapoor, PhD
John H. Hageman, MD
D. Emerick Szilagyi, MD
Roger F. Smith, MD
Michaene McPharlin, RN

Developing an Integrated Natural Language Database for Gastrointestinal Disease
Peter J. Feczko, MD
Laurens V. Ackerman, MD, PhD
Robert D. Halpert, MD
Stuart M. Simms, MD

Development of a Nephrology and Hypertension Information System
Francis Dumler, MD
Gerard Zasuwa, BA
Nathan W. Levin, MD

Computer-assisted Methods for Design Optimization of Cardiac Bioprosthetic Valves
Mohamed S. Hamid, PhD
Hani N. Sabbah, BS
Paul D. Stein, MD

Automating the Expertise of the Neuropsychologist
Kenneth M. Adams, PhD
Gregory G. Brown, PhD

Cooperation Between a Radiology Computer Consortium and a Computer Manufacturer in the Development of a Radiology Information System
Matthew W. Burke, MD
Laurens V. Ackerman, MD, PhD

Distributed Computing in a Hospital Environment
Steven R. Lund
Laurens V. Ackerman, MD, PhD
James B. Martin, PhD

CASE REPORTS

Intracerebral Hemorrhage After Carotid Endarterectomy
Jose Biller, MD
Andrew C. Hayes, PA-C
Fred N. Littooy, MD
William H. Baker, MD

Cardiac Papillary Fibroelastoma: A Source of Coronary Artery Emboli and Myocardial Infarction
Gerald Fine, MD
Shoba R. Pai, MD

INSTRUCTIONS TO AUTHORS
ANNOUNCEMENTS

GUEST CO-EDITORS
Laurens V. Ackerman, MD, PhD
Department of Diagnostic Radiology
Michael E. Somand, MD
Department of Internal Medicine
Henry Ford Hospital