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HFH In The News

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HFH IN THE NEWS

Published for alumni and friends of Henry Ford Hospital, Detroit, Michigan
Editor: R. C. Mellinger, M.D.

Summer, 1968

Patient Care Orders Go On Computer

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NURSING ORDERS  H 1 3/18/68  ADM AGE NAT S M R E COND

H123B  42-47167  LE  E DAVID  22968 71  M M J  H123B
DR. REDFERN  META
CEREBRAL VASCULAR ACCIDENT

ACT : CHAIR 30MIN TID  ASST FEED
BATH: COMPLETE
DIET: FULL LIQUID

TPR : RECTAL Q4HR  IV Q 8HR
BP QID  I&O CONDOM-CBD

TREATMENTS:  BLOOD TESTS:
21: CANNOT SPEAK OR HEAR
22: WRAP LOWER LEG C 3INC ACE BANDGE
23: ** TURN Q 2HR **  QD:(41)

NOTES:  CLINIC APPTS:
24: HOLD BAPRONS  31:
25: LUMBAR PUNCTURE DONE 2/29  32:
26: SUCTION PRN  33:
27:  34:
28: H LE  3427177 SON-L14150 SON  35:
29:  36:

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IN A 5" x 8" SPACE, all daily nursing orders for an inpatient are printed out by the computer in the manner shown above. Listed are instructions on activity, bath, diet, treatment, tests, clinic appointments and other notes which guide the duty nurse in her care. A more comprehensive explanation of the system is planned for a future issue of the HENRY FORD HOSPITAL MEDICAL JOURNAL.

Industrial engineering principles are being applied to inpatient care in a pilot study at Henry Ford Hospital involving the Department of Nursing and the computer. The project is being directed by Tim Krupa, the Hospital's industrial engineer.

One phase of the two-part program seeks to redirect to patient care hundreds of hours now being spent by nurses in handwritten record keeping. This is already in operation in the I-1 and H-1 units of the Hospital, where daily patient care orders are now computerized for 91 patients.

A second phase, to be implemented soon in the I-1 Unit, features a computer-assisted unit-dose medication system. This places the preparation of medication in the hands of the Pharmacy and complies with the State Pharmacy Board code requiring removal of all medications from hospital floors.

When fully operational, according to Mr. Krupa, the record-keeping operation will save 600 man hours daily, and the medication system another 200 hours. The aims are to relieve personnel shortages and redirect nursing effort toward improved patient care.

When the industrial engineering study
Continued on back page

Intern Quota Filled

Once again HFH has maintained its enviable record of completely filling its intern quota through the National Intern Matching Program. Twenty-four men and two women will comprise the intern class of 1968-69. The University of Michigan and Wayne State University are each represented by five appointees; 13 schools have contributed the remaining 16 students. Over half of the new intern group rank in the upper-third of their medical school classes.

In several instances, interested HFH alumni have played significant roles in encouraging application by exceptionally qualified senior students. The Intern Committee finds these personal endorsements especially helpful in its selection of candidates, according to Dr. W. S. Haubrich, chairman.

A list of new intern and resident appointments appears inside.

1968 INTERNS AND RESIDENTS

The new intern and resident staff for the year beginning July 1, 1968 has been announced at Henry Ford Hospital. Interns and their schools are as follows:

Ali A. Behzadnia, Univ. of Tehran (Iran); George L. Bush, Univ. of Cincinnati (Ohio); Miss Jana S. Cazars, Wayne State Univ. School of Medicine (Detroit); David J. Collon, Wayne State Univ. School of Medicine (Detroit); Douglas J. Dove, Univ. Libre de Bruxelles (Belgium); Frederick L. Jardon, Univ. of Michigan Medical School (Ann Arbor); Gary Mark Levin, George Washington Univ. School of Medicine (Washington, D.C.); Richard W. Livesay, Univ. of Michigan Medical School; John H. Miller, Wayne State University School of Medicine; Miss Dolores A. Morgan, Indiana Univ. School of Medicine (Indianapolis); Jon D. Rahman, Loyola Univ. Stritch School of Medicine (Chicago); John James Rowsey, George Washington Univ. School of Medicine; David S. Rue, Univ. of Texas, Medical Branch (Galveston); Edward John Sarver, Duke Univ. School of Medicine (Durham, North Carolina); William J. Shields, Univ. of Michigan Medical School; Philip Joel Silverman, Wayne State University School of Medicine; Donald Alan Solomon, Univ. of Louisville School of Medicine (Kentucky); Robert Lee Stephenson, Bowman Gray School of Medicine (Winston-Salem, N.C.); Colin T. Sutherland, Univ. of Michigan Medical School; Ronald C. Thurston, Wayne State University School of Medicine; Robert J. Toumajian, Univ. of Michigan Medical School; William W. Vaught, Jr., Univ. of Illinois Medical School (Chicago); Geoffrey Ames Wardwell, Ohio State Univ. College of Medicine (Columbus); Stephen E. Werner, Jefferson Medical College (Philadelphia, Pa.); Gary W. Wilson, Univ. of Oklahoma Medical Center (Oklahoma City); and Charles J. Zwerling, Jefferson Medical College.

Assigned areas and the residents named to them are as follows:

Medical residents, first year: Syed Ijaz Ali, a graduate of the King Edward Medical College (Pakistan); Solon L. Alimario, Manila Central University (Philippines); W. Robert Gronewald, University of Chicago; Carl R. Haeger, Georgetown University; Robert S. Hattner, Wayne State University; Sankat A. Khan, King Edward Medical College (Pakistan); Richard G. Luzietti, Loyola University (Chicago); Irene Macko, McGill University (Montreal); Enrique Martinez-Boquin, Mexico Medical School; Alicia E. Matthews, University of Michigan; H. James McCoy, Wayne State Univ. School of Medicine; Ali M. Mehran, Tehran University (Iran); Jesus F. Nunez-Gornes, National University (Mexico City); Miguel Sala, Zaragoza University and Navarra University (Spain); Jack B. Shininger, University of Oregon (Portland); P. Sivanandham, Madras

Medical College (India); and David L. Thomson, University of Michigan.

Medical residents, second year: Vidal Borromeo, Jr., University of Philippines College of Medicine; Arturo Corso, Universidad Javeriana (Bogota, Colombia); Eduardo J. Hidalgo, San Fernando Medical School (Lima, Peru); Thiruvengadathan Madhavan, Madurai Medical School (India); and Samuel L. Rosenthal, N.Y.U. School of Medicine.

Medical resident, third year: Paul J. Brat, Northwestern Medical School (Chicago).

Allergy: Parvaneh Abadee, Univ. of Pavlavi (Iran).

Dermatology: Barbara Highman, University of Michigan; Arthur P. Kelly, Howard University; Elizabeth R. Rosenthal, N.Y.U. School of Medicine; and Sheldon Widlan, Wayne State University.

Second year resident: Roger H. Stewart, University of Michigan.

Gastroenterology: Seguno C. Danao, University of the Philippines, and Danilo H. Iglesias, Medical School in Madrid University (Spain).

Gynecology and Obstetrics: Gary Arlen Novak, University of Cincinnati Medical School.

Hematology: Ariston Coronel Sandoval, Jr., University of Santo Tomas.

Ophthalmology: David E. Berckmueller, Indiana University; Donald S. Beser, University of Michigan; Eugene Eisner, University of Michigan; Anthony C. Porretta, Marquette University; and Irving D. Sorgen, University of Tennessee.

Orthopedic surgery: Surindar Singh Bedi, Delhi U. Medical College (India); Robert O. Buss, Marquette U. School of Medicine; and Tony Colerio Majestro, West Virginia U. Medical School.

Otolaryngology: John Valentine Cichon, St. Louis University; and Romuald T. Szymanowski, University of Ottawa.

Pathology: Philip S. Feldman, McGill University; Moon Wha Hong, Soo Do Medical College (Seoul, Korea); Kye Yoon Kim, Seoul National University School of Medicine (Korea); Franklin W. Pon, University of Western Ontario (London, Ontario, Canada); and Graciano F. Singson, University of Santo Tomas.

Pediatrics: Eng-Chin Chea, National Taiwan University, (Taipei, Formosa M.B.); Nirmala Suvas Desai, M.S. University (Baroda, India); and Harold A. Falconer, Tufts University (Boston).

Pulmonary: Ho Kar-Hon, National Taiwan Univ. College of Medicine; and Felix Liddell, Wayne State University School of Medicine.

Radiology: Harold I. Blumenstein, Wayne State University; William H. Hepfer, Wayne State University; Gary Michael Laskey, Wayne State University; Sanford Joel Marks, Chicago Medical School; Richard

David McLeary, University of Michigan and Harvey Tonken, Univ. of Toronto.

Surgical Transfers

Transferring from General Surgery to other departments on July 1 are the following:

Fourth year residents: Dr. J. T. Dinan to Vascular Surgery (Div. II), Dr. C. Grodinsky to Thoracic Surgery, Dr. J. B. Kilway to Vascular Surgery (Div. II), Dr. A. K. Mittal to Thoracic Surgery.

First year residents: Dr. C. H. Bedard to Otolaryngology, Dr. J. V. Cichon to Otolaryngology, Dr. P. L. Damstra to Urology, Dr. G. B. Farrow to Urology, Dr. O. K. Hitt to Orthopedics, Dr. P. Sarnsethsiri to Orthopedics.

The new residents in surgery are shown with their previous addresses:

General surgery, first year: Mohammed R. Ansari, of Detroit; Sajid Chughtai, Mercy Hospital (Toledo, O.); Suvas G. Desai, Philadelphia; Talmadge Hays, Louisville (Ky.); Gholam Hedayat, McKeesport (Pa.); Andre F. Jawde, Jackson Memorial Hospital, Miami (Fla.); Elie Khoury, Mt. Carmel Hospital (Detroit); Michael Polonius, Lawrence General Hospital (Lawrence, Mass.); Nadhir Saddawi, Huron Road Hospital (Cleveland, O.); Patrick Harvey Stine, Portland (Ore.); Theodore S. Vanderveen, Grand Rapids (Mich.); Joe Allen Young, USAF Hospital, Keesler Air Force Base (Miss.).

General surgery, second year: Rex Williams, Ann Arbor; Leo Wine, Sawyer Air Force Base (Michigan); Rodney C. Dwyer, 18th Surgical Hospital, APO San Francisco; David A. Rueff, Sawyer Air Force Base; **third year:** J. O. Castillo, Glasgow Air Force Base (Montana); **fourth year:** Hugh Allen, U.S. Navy Hospital, Camp LeJeune (N.C.).

Dentistry and oral surgery: James Opdahl, Pittsburgh (Pa.); Darryl L. Warner, also Pittsburgh.

Neurosurgery, third year: Russell N. Haynes, USNH Charleston, (S.C.).

Thoracic surgery: Antonio Donato, The Hospital of St. Raphael, New Haven (Conn.).

Plastic surgery: John G. Elmquist, 7th Surgical Hospital, APO San Francisco.

Former Resident Dies

Dr. W. Henry Harper, a former resident of the Henry Ford Hospital, died on April 2, 1968, of coronary thrombosis. Dr. Harper joined the resident staff of the Hospital as a third-year assistant resident on July 1, 1945, after having graduated from Harvard Medical School and serving an internship at Boston City Hospital and a surgical residency at Johns Hopkins Hospital, Baltimore. On July 1, 1946, he began a two-year residency in neurosurgery at the Henry Ford Hospital, which he completed in June 1948. After the completion of his residency, Dr. Harper settled in San Jose, California, where he practiced neurosurgery up to the time of his death.

HFH HOUSE STAFF FORMS ASSOCIATION

Recognizing the need for a united voice, members of the HFH house staff have formed the Henry Ford Hospital House Staff Association. In a December, 1967, meeting, they drew up a charter and elected officers as follows:

James McMurry, M.D., president; John R. Bozalis, M.D., vice president; Ramon Berguer, M.D., secretary, and Arthur Brown, M.D., treasurer.

This group was enthusiastically acknowledged by the Hospital administration. By January of this year substantial salary increases were granted; safe and private sleeping quarters were arranged for the women physicians; assigned parking space in the hospital garage was implemented; and adequate meals were made available to on-duty house officers after evening closing hours of the Terrace Cafe.

It is hoped this Association will continue to play a vital and progressive role in keeping Henry Ford Hospital's training program second to none.

NAMED TO ONCOLOGY

Three permanent staff members and a fellow have been named to the Division of Oncology. The fellow is Frederick A. Deigert, M.D., a graduate of the St. Louis University School of Medicine. He comes to HFH from Butterworth Hospital, Grand Rapids.

Oncology staff appointments are Monroe Dowling, M.D., a graduate of Howard University, Washington, D.C., and a former New Yorker; Robert M. O'Bryan, M.D., formerly of Wheaton, Maryland, who is a graduate of the Stritch School of Medicine, Loyola University; and Eduardo L. Reyes, M.D., formerly of the Francis Delafield Hospital in New York City, who is a graduate of the University of Santo Tomas in Manila, Philippines.

Dr. Bruce W. Steinhauer, associate physician in Medical Clinic I, has been appointed as chairman of the Medical Resident Education Committee and chairman of the newly established Office of Medical Resident Affairs. The appointment involves assigning resident teaching schedules, plus the responsibility of handling resident problems, if any.

Dr. Paul Bartlett, of the Department of Biochemistry and Molecular Biology of the Edsel B. Ford Institute for Medical Research, has been notified by the chairmen of the policy and research committees of his appointment to the Council of Advisors of the Association for the Advancement of Aging Research, based in California.

Dr. Sol Pickard of the Division of Cardiovascular Diseases has been notified of his election to Fellow in the American College of Cardiology.

NEW COORDINATOR PUTS E.R. ON TRIAGE SYSTEM

A "triage" system of patient screening and referral, begun early this year, is bringing good results in the Emergency Room of Henry Ford Hospital, according to Dr. R. F. Kandel, Chief of the Emergency Division.

In the new position of primary medical services coordinator, Robert C. Rodgers is interviewing all "drop-in" patients except for those arriving by ambulance, by police escort or as the result of obvious trauma. He determines priority of need and proper place of treatment (the "triage" definition). Persons complaining of acute symptoms such as abdominal or chest pain are referred immediately to a doctor in the Emergency Room. Where emergency aid is not needed, Mr. Rodgers arranges for appointments in the appropriate clinic, initiates the procedure for complete physical examinations of new patients, and for processing of those referred to the Hospital by outside doctors.

Mr. Rodgers also coordinates Emergency Room treatment of Hospital employees, who are now being seen daily at regular hours of 8 to 10 a.m. and 2 to 4 p.m., receiving direct service from Drs. Kandel, J. Peter Johnston, Irene M. Jessick, F. Richard Neher and Monica Hoerauf.

Since the screening program was started, experience has verified last year's preliminary survey estimate that about 60% of cases presented to the Emergency Room are general practice in nature and only about 40% are true emergencies. On an average day, with 65 patients interviewed, 50 or more are being referred for clinic appointments and indicated treatment.

Triage has greatly reduced the emergency room pressures, has made possible better and more personalized attention to those needing it, and reduced complaints from the public.

Before coming to HFH, Mr. Rodgers had had similar Emergency Room experience at Detroit Receiving Hospital and had been doing social case work for the Detroit Department of Public Welfare and the Health Department. He was educated at Wayne State University.

Dr. Boy Frame, Fifth Medical Division, has been appointed examiner for the American Board of Internal Medicine. Also of the Fifth Medical Division, **Dr. A. R. Arnstein** was recently elected to fellowship in the American College of Physicians.

Dr. Alfred A. Hodari has accepted a staff position in the Department of Obstetrics and Gynecology. He had been a medical resident here for three years and has been in the department since December, 1966, recently receiving his Michigan license.

Computer continued from front page

was started on I-1 in January 1967, work sampling studies showed that 65 to 70% of each nurse's day was spent on clerical and charting operations and on medication operation. The nurse's involvement in these areas, it was felt, could be reduced by improved systems.

Under existing systems, the doctor's orders are transcribed onto a nursing Kardex, which becomes the center of information for nursing care. From this Kardex all work sheets necessary to performing the nursing duties are written by hand. The ward clerks, and sometimes the nurses, make lists of clinic visits, blood samples to be drawn, diet lists, and individual work assignments for the coming 24 hours.

Under the new system, the patient care orders are fed into the computer via input forms filled in by the ward clerk. Once the information is thus captured, the computer programs generate all the lists now written by hand. Time saved for the ward clerk may be assigned to other clerical functions presently being performed by nurses and aides.

When the unit-dose medication system is operational, each piece of medication will be individually packaged and labeled in a central pharmacy. The floor nurse will check the medications and administer them. The computer will assist in sorting the orders, charging the patient's account and reducing medication errors.

According to Mr. Krupa, errors in administration of medications will be almost entirely eliminated. Tablets and capsules wrapped in cellophane and labeled in the pharmacy remain clearly labeled until administered. Industry studies have shown that as many as one in six medications are given in error, under old systems.

New Research Associate in the Division of Metabolic Diseases is Dr. Oscar A. Carretero. He is the first full time research physician in the division and one of the first in the Hospital. His research will be in the areas of hypertension and metabolic disease with special interest in the renin-angiotensin mechanism.

Dr. Carretero comes to HFH from the Cleveland Clinic where he was a fellow in research from 1967 to 1968. He graduated from the University of Cuyo Medical School in Mendoza, Argentina, in 1961. He stayed there until 1965 in the Department of Physiology. He then did research for Ciba Pharmaceuticals in Basel, Switzerland from 1965 to 1967, before going to the Cleveland Clinic.

New head of the Medical Technology program at HFH is Dr. Mary Jane Caldwell following the resignation of Dr. Jeanne Riddle to accept a research and teaching assignment at Wayne State University as assistant professor of Pathology in the School of Medicine.