



HERITAGE HOSPITAL UNIT OF PEOPLES COMMUNITY HOSPITAL AUTHORITY

WALTER S. WHEELER, ADMINISTRATOR • 24775 HAIG AVE., TAYLOR, MICHIGAN 48180 • 313/295-3300

October 5, 1982

30-1332L

MEMBER COMMUNITIES

CITIES OF

Mr. D. J. Sreniawski  
U.S. Nuclear Regulatory Commission  
Region III  
799 Roosevelt Road  
Glen Ellyn, IL 60137

ALLEN PARK

BELLEVILLE

DEARBORN HEIGHTS

ECORSE

Dear Mr. Sreniawski:

FLAT ROCK

Reference: License #21-17789-01

GARDEN CITY

This letter is in response to your letter dated September 7, 1982 in regard to your inspection of the Nuclear Medicine Department at Heritage Hospital on August 27, 1982.

INKSTER

LINCOLN PARK

Enclosed you will find copies of the minutes of the Medical Isotope Committee Meetings held at Heritage Hospital since January 1978.

MELVINDALE

RIVER ROUGE

Unfortunately, I was on vacation at the time of this inspection and therefore was not present for the discussion at the conclusion of same. An administrative policy change has required that minutes from the Isotope Committee Meetings be retained in the office of the Medical Staff Secretary, and not forwarded to the individual departments involved. Contrary to the findings at the time of inspection which indicated that this committee has met only four times, I am forwarding copies of minutes of the following meetings:

ROCKWOOD

ROMULUS

SOUTHGATE

TAYLOR

September 14, 1977; March 30, 1978; June 22, 1978; October 13, 1978; January 25, 1979; October 4, 1979; April 11, 1980; July 18, 1980; September 18, 1981; December 18, 1981

TRENTON

WAYNE

WESTLAND

It is the intention of the Medical Isotope Committee to establish a regular meeting time which will remain constant to provide for the quarterly meetings required by our license. These meetings will be held on the third Tuesday of October, January, April, and July beginning with October 19, 1982. Additionally, in accordance with 10 CFR Part 35, we are appointing a Radiation Safety Committee to replace the Medical Isotope Committee as of the October meeting.

WOODHAVEN

YPSILANTI

TOWNSHIPS OF

HURON

SUMPTER

SUPERIOR

VAN BUREN

YPSILANTI

8210250321

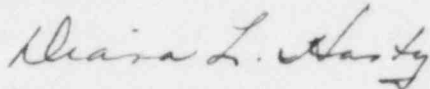
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Mr. D. J. Sreniawski  
Page 2  
October 5, 1982

Although it is apparent that there has been an unexcusable degree of laxity in the scheduling of these meetings during 1982, I can assure you that every effort will be made to correct this problem and bring us into full compliance.

Should you require any further information feel free to contact me.

Sincerely,



Diana L. Hasty  
Radiology Services Manager

sb

Enclosure

cc Arthur J. Bady, M.D.  
Walter S. Wheeler, Administrator  
Jorge A. Lopez, Assistant Administrator

The meeting of the Medical Isotope Committee was held on 12/18/81 at 8:30 a.m. Those present were Dr. Bady, Mr. Lopez, Dr. Malone and Dr. Quiroz. Minutes of the previous meeting were read and accepted.

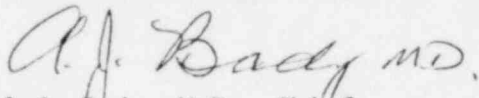
A. The first order of business was a discussion of the current status of the Nuclear Medicine Department. Dr. Bady indicated that things had been running very smoothly. We are in the process of reviewing and re-evaluating our procedure manual to make sure everything is in order for the forthcoming JCAH inspection.

B. An update of the XENON project was then given by Mr. Lopez. The project is still not progressing. The administration has contacted Mr. Hardy, Director of Architecture and Engineering at the PCHA Central Office, to make a status inquiry of the current state of the project. It was suggested that Dr. Bady do the same to represent the viewpoint of the medical staff.

C. Monitoring of the badges of the nuclear medicine personnel is being carried out satisfactorily. No excessive radiation exposure has been found.

There being no further business, the meeting was then adjourned.

Respectfully submitted,



A.J. Bady, M.D., Chief  
Department of Radiology & Nuclear Medicine

Members present: Dr. Quiroz, Mr. Lopez, Dr. Bady

The minutes of the previous meeting were read and accepted.

A review of the Committee itself then followed. This describes the various changes in membership over the years down through the death of Mr. Paul Vella. Since then Dr. Bady has been made Radiation Safety Officer.

Since the death of Paul Vella, physicist coverage has now been arranged through Mr. Jim Carey, from the University of Michigan. His group provides total coverage of both the X-ray Department and Nuclear Medicine Department, for those needs requiring a physicist. This group performs periodic surveys and submits reports to Dr. Bady, in the hospital. These surveys are similar to those performed by the JCAH, and the NRC. Mr. Carey has submitted a recent survey dated August 20, 1981, which was then discussed. The survey indicated generally, that the nuclear medicine lab is in fine condition. Record keeping, in particular, had been excellent.

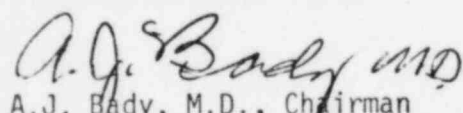
One of the items found by Mr. Carey, was the need of a new Cobalt 57 calibration source. This has since been ordered.

A discussion of the Xenon-133 ventilation equipment was then undertaken. The recommendations made by Mr. Carey were stated. Mr. Lopez then stated that he would follow up on the necessary engineering and architectural survey.

The ALARA Concept was then discussed. A discussion of the monitoring of the various radiation dose badges followed. It was determined that we are complying with the intentions of the ALARA Concept. Dose monitoring is performed by Diane Hasty as well as Dr. Bady.

There being no further business, the meeting was adjourned.

Respectfully submitted,

  
A.J. Bady, M.D., Chairman  
Medical Isotope Committee

MEDICAL ISOTOPE COMMITTEE

The meeting of the Medical Isotope Committee was called to order at 8:30 a.m. Those present were Dr. Bady, Mr. Paul Vella, Dr. Quiroz, and Mr. Warren Lyons.

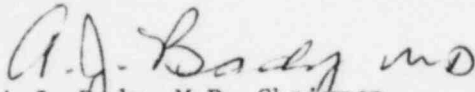
The first order of business was a discussion of developments in cardiac nuclear medicine. A new portable gamma camera has been put on the budget along with supportive computer capability. Mechanism of stressing patients for Thallium studies will be left to the discretion of the cardiologists.

Mr. Lyons then stated that further developments of the Xenon system were at a complete standstill until completion of the special procedures room was accomplished, also at a standstill at this time.

Mr. Paul Vella then discussed ramifications of the various new regulations in nuclear medicine and their effect on JCAH inspections.

The meeting was then adjourned.

Respectfully,



A.J. Bady, M.D., Chairman  
Medical Isotope Committee

## MEDICAL ISOTOPE COMMITTEE

The meeting of the Medical Isotope Committee of Heritage Hospital was convened at 8:30 a.m., on April 11, 1980 by Dr. A.J. Bady, Chief of the Department of Radiology.

Those present were: Dr. A.J. Bady, Chief of the Department; Mr. Warren Lyons, Asst. Administrator; Mr. Paul Vella, Nuclear Physicist.

The status of the Xeon project in Nuclear Medicine was first discussed. Mr. Lyons stated that the project was in the hands of the architect and that the next step was the employment of a general contractor to make the necessary alterations in the Nuclear Medicine Department.

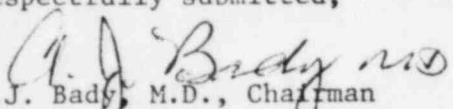
Mr. Paul Vella then discussed the current status of State and Federal Government Regulations and their bearing on Heritage Hospital. There are new recommendations for quality control in the X-Ray Department as well as the Nuclear Medicine Department. Mr. Vella is going to submit a copy of the details to the Committee.

Mr. Vella also stated proposed new NRC Regulations referable to radiation exposures allowable to radiation workers. The ramifications of this were discussed. The date of implementation will be investigated by Mr. Vella and reported to the Committee.

Dr. Bady then stated that the Department of Medicine has requested that the Nuclear Medicine Department put on its budget a mobile Gama camera for cardiovascular Nuclear Medicine studies. This was then discussed and Mr. Lyons stated that a short letter stating this should be sent to him so that he can present this to a Capital Expenditure Budget Committee meeting April 15, 1980.

Business having been concluded, the meeting was adjourned.

Respectfully submitted,

  
A.J. Bady, M.D., Chairman  
Medical Isotope Committee  
Heritage Hospital

dd: 4/11/80/AJB

dt: 4/11/80/sp

## MEDICAL ISOTOPE COMMITTEE

The Medical Isotope Committee met on October 4, 1979 at 8:35 a.m. at Heritage Hospital.

A.J. Bady, M.D., Chief of the Department of Radiology convened the meeting.

PRESENT: A.J. Bady, M.D. , Mr. Paul Vella, Mr. T. Brusio

The first order of business was discussion of the PIPIDA scans of the gallbladder. This procedure has been initiated at Heritage Hospital and we have already done several gallbladder scans using this agent. This is a new investigational drug and the proper forms are being used to comply with the regulations for the use of this new drug.

An update of the status of the XENON ventilation procedure was then discussed. The equipment has been ordered and appropriate changes in the ventilation system of the Nuclear Medicine Department are being supervised by the Engineering Department at Heritage Hospital.

Mr. Paul Vella then discussed his attendance at a nuclear disaster committee meeting of the Downriver Hospitals recently. This committee is charged with developing a disaster plan for the Downriver Hospitals in the event of a nuclear disaster. The role of Heritage Hospital has not yet been determined but Mr. Paul Vella states that he will work closely with the hospital to comply with whatever requirements they may develop.

Mr. Paul Vella then stated that Oakwood Hospital is now capable of doing adrenal scans using Iodo Cholesterol. The paper work involved in obtaining this clearance has been very complex as this is a fairly unique investigational drug. Oakwood Hospital is now able to perform these scans. Mr. Vella states that if anyone at Heritage Hospital requests these scans Oakwood will be the nearest place with this capability.

There being no further business, the meeting was adjourned at 9:15 a.m.

Respectfully submitted,

*A. J. Bady MD*  
A.J. Bady, M.D., Chief  
Department of Radiology

/sp

## MEDICAL ISOTOPE COMMITTEE

The Medical Isotope Committee met on June 29, 1979. The meeting was called to order at 8:30 AM by A. J. Bady, M.D.

Present: A. J. Bady, M.D.  
Paul Vella  
T. Brusoe

The current status of PIPIDA was discussed. Mr. Vella pointed out that this agent had been recalled recently for quality control evaluation. This is a gallbladder scanning agent which we have been approved to use. When the agent is no longer recalled, we intend to begin using it.

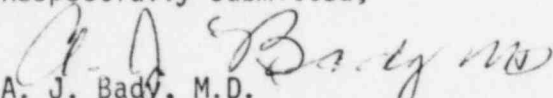
The names of the physicians listed on the NCR License at Heritage Hospital were reviewed. It was decided that several of the newer men in the group would be added to the license, as they now practice more frequently at Heritage Hospital than some of the older men whose names are on the license. Mr. Vella is going to initiate the addition of their names to the license.

Mr. Vella then indicated that he recently reviewed the record keeping system in the Nuclear Medicine Department and found all the records to be well kept and in proper order.

The status of cardiac scanning was then discussed by Dr. Bady. The cardiologists have been approached for their input in beginning cardiac nuclear medicine at Heritage Hospital. Mr. Vella is going to evaluate the equipment to determine if certain repairs have been made which are necessary to perform cardiac studies.

There being no further business, the meeting adjourned.

Respectfully submitted,

  
A. J. Bady, M.D.  
Chief, RADIOLOGY DEPARTMENT



MEDICAL ISOTOPE COMMITTEE

Members of the Medical Isotope Committee met on January 25, 1979. The meeting was called to order at 8:30 a.m. by A. J. Bady, M.D.

PRESENT: A. J. Bady, M.D.  
Mr. T. Logan  
Mr. Paul Vella

EXCUSED: R. E. Malone, M.D.  
H. Quiroz, M.D.

The first point of discussion was a follow-up on the recent inspection of the Nuclear Medicine Department by the Federal Inspectors. Mr. Vella commented that Radiochemistry was in need of some help in working out their quality control procedures. It was determined that Mr. Vella and Mr. Logan would offer help to them in this matter.

Mr. Vella stated that the federal inspectors had not yet sent us a letter indicating their findings following the inspection of our department. Mr. Vella is already taking steps to correct the minor infractions pointed out by the inspectors. He has already done the various wipe test and he has calibrated the dose calibrator.

Mr. Vella also stated that it would be advisable to review the names of the physicians on the Nuclear Medicine License here at Heritage Hospital. It would be advisable to add the newer members who were not present when the license was originally granted. He is to review this matter.

The status of the Xenon Trap was then discussed. An appropriate Xenon Trap has been decided upon and has been put on the budget. No problems are anticipated.

Mr. Vella then mentioned updating our soft ware used in cardiac nuclear medicine studies. He had discovered that the Ohio Nuclear Company who manufactured our Gamma Camera and Data Processing unit has developed an updated addition to the Data Processing Unit which will allow better cardiac nuclear medicine capability when we begin those particular studies. We are now in the process of looking into the possibility of purchasing this updated material.

Mr. Vella also mentioned that a new requirement applicable to nuclear medicine now requires a statistical study of the exposure of the employees of the Nuclear Medicine Department. This is to be done yearly and should be done very soon. He

described the procedure and stated that he would take care of this matter.

There being no further business, the meeting was adjourned.

Respectfully submitted,

*A. J. Bady MD*  
A. J. Bady, M.D., Chief  
Department of Radiology

AJB/s

NUCLEAR MEDICINE COMMITTEE

The Nuclear Medicine Committee met on October 13, 1978. The meeting was called to order by A. J. Bady, M.D., Chairman.

PRESENT: A. J. Bady, M.D.                      EXCUSED: R. E. Malone, M.D.  
          H. Quiroz, M.D.  
          Mr. Paul Vella

The first order of discussion was the status of the Xenon studies at Heritage Hospital. The present status is that venting of the Xenon is the critical factor which is preventing us from doing Xenon ventilation studies at this time. We are now waiting for our Engineering Department to evaluate putting in a separate vent from the Nuclear Medicine Department to the outside for venting of xenon gas to comply with regulations. After this problem is solved, we will then apply for the use of Xenon on our license.

Technical staffing of the Nuclear Medicine Department was discussed. We now have a new full time technician and one part-time technician manning the department. They seem to be handling the work load adequately although the volume of work is increasing steadily in the Department.

Technician coverage of the Nuclear Medicine Department at night was discussed. We do not have a formal call schedule because we only one full time technician and one part time technician. The Techs are available however, and occasionally are called after hours for emergency type work. Dr. Bady emphasized that work after normal hours should be restricted to those cases which are truly emergency in nature.

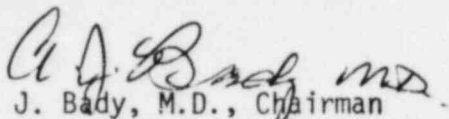
The next discussion centered around computer systems and their application to cardiovascular nuclear medicine in particular. The use of portable Gamma cameras was discussed and data acquisition on a portable camera and its application to a central computer within the Nuclear Medicine Department. It was noted that we are not yet doing many cardiac type scans here at Heritage Hospital but we do expect this to change in the future. We do have capability for cardiac work with our present data processing unit.

Next on the agenda was membership of the Nuclear Medicine Committee. It was noted that there have been several changes recently which will have to be reported to

the Nuclear Regulatory Commission. Mr. Vella and Dr. Bady will handle notification of these changes.

There being no further business, the meeting was adjourned.

Respectfully submitted,



A. J. Bady, M.D., Chairman  
Nuclear Medicine Committee

AJB/s

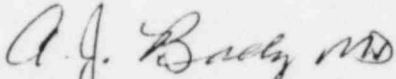
MEDICAL ISOTOPE COMMITTEE

The Isotope Committee was convened by Dr. A. J. Bady for the purpose of appointing a new Radiation Safety Officer. A quorum was present.

The committee approved Dr. Arthur J. Bady as the new Radiation Safety Officer for Heritage Hospital. He has replaced Dr. James Breckenfeld who has since left for Oakwood Hospital. The motion was made by Mr. Hancock, seconded by Dr. MacDonald, and approved unanimously.

There being no further business at this time, the meeting was adjourned.

Respectfully submitted,



A. J. Bady, M.D., Chairman  
Medical Isotope Committee

AJB/s

MEDICAL ISOTOPE COMMITTEE

A meeting was called of the Isotope Committee on Thursday, March 30, 1978. Members present included Drs. McDonald, Breckenfeld, and Mr. Samuel Hancock, Physicist. This represented a quorum.

There was a discussion on expanding the Nuclear license at Heritage Hospital to include ventilation scanning. This was felt to be a needed diagnostic tool and will be applied for in the near future. The physical consideration as to the type of ventilation apparatus to place in the department was considered. The decision between venting activity directly outside versus that of Xeon trap. While it is felt that the venting mechanism would be satisfactory, Mr. Hancock mentioned that the trap would be a more foolproof method of controlling radioactivity. The expense of either procedure is not available at the present time and will be considered. Another consideration will be that of the recirculated air flow in this department.

The Administrative member of the Isotope Committee, Mr. N. Stein, will be leaving Heritage Hospital. The committee will wait until his successor is appointed and consider naming him to the Isotope Committee. Notification will have to be sent to the Nuclear Regulatory Commission on the federal level when this occurs.

The Limits of the Nuclear License were discussed. Radioactive iodine treatment was thought to be possible for cases of hyperthyroid but was not felt to be within the limits of our license for treating of a malignancy. Consideration was given as to whether the nurses' instructions included in our license form are adequate. It is felt that they are and that these will be distributed to the floors.

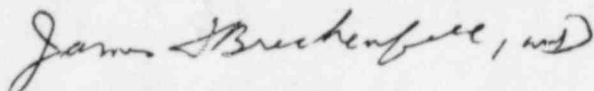
Materials needed to complete the nuclear laboratory, including cabinets have been approved financially and ordered. These will be expected to be in use in the near future.

The remaining discussion of the meeting was concerning the restrictions of the Nuclear License and about normal day to day procedure that must be done to conform with the license as far as radiation safety. It is felt that added signs must be placed in

the radioisotope department and close attention in charting must be given to the routine survey of activity. Calibrations of the equipment must also be performed on a routine basis. It was suggested that additional phantom equipment be obtained to obtain more quality control with the Gamma Camera. This will be further investigated.

The meeting adjourned at 2:00 p.m.

Respectfully submitted,



J. Breckenfeld, M.D.

cc: S. Hancock, Physicist  
R. E. Malone, M.D.  
H. Quiroz, M.D.  
T. McDonald, M.D.  
W. S. Wheeler

MEDICAL ISOTOPES COMMITTEE

The Medical Isotopes Committee held a meeting on Wednesday, September 14, 1977.

PRESENT: Mr. Sam Hancock  
H. Quiroz, M.D.  
J. Breckenfeld, M.D.

A quorum was considered present.

The application for licensure for radio-active material was evaluated and discussed. Minor typographical errors were noted and the addition of the ICN dosimetry service to the firms listed under Appendix G was suggested. The application was then felt to be in order and was approved by an unanimous vote. The application forms in duplicate will then be forwarded to the Administrator for his signature. These are to be accompanied by the fee of \$180.00 and then sent to the Nuclear Regulatory Commission in Washington, D.C. Mr. Sam Hancock will then follow closely the progress of the approval of the licensure.

Respectfully submitted,

*James Breckenfeld, MD*

J. I. Breckenfeld, M.D.  
Chairman

/s