LR: IB: BWC (50605) University of Tempessee College of Medicine 62 8. Dunlap Memphis 3, Tennessee Attention: John Q. Adams, M.D. Gentlemen: This is in response to your application dated April 4, 1963, for byproduct material license and supporting letters dated June 6, 1963, and The use of hyproduct material for studies in pregnant patients is considered non-routine and experimental and, accordingly, demands a high degree of justification with respect to the clinical benefits derived for the management of abnormal pregnant patients. Your request for the continued use of Iodine 131 as Iodinated Russn Serum Albumin for the study of cardiovascular hemodynamics and hemorrhogic shock in normal and abnormal obstetrical patients has been carefully reviewed by the Commission with the assistance of the Commission's Advisory Committee on the Medical Use of Isotopes. The Advisory Committee feels that such studies do not justify the continued use of byproduct material in pregnant patients on the basis of the information you have submitted. Accordingly, you are requested to supplement your application with the 1. A complete research protocol including an exact and definitive statement of the proposed studies with respect to the types of patients to be studied, the doses administered, the methods to be used, and the specific results which you hope to obtain from 2. A detailed description of your previous experimentation with ten normal and ten abnormal pregnant patients including data obtained from each patient and justification for the continued use of 9402240337 940204

Iodine 131 in normal pregnant controls. You should also explain any differences between these studies and the proposed studies.

3. A justification for the use of pregnant human subjects rather than animals or non-pregnant patients to compare T-1824 and RISA in vivo behavior.

Sincerely yours,

Cecil R. Buchanan
Assistant Chief, Isotopes Branch
Bivision of Licensing and
Regulation



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BChurchill/vh CRBuchanan 9/23/63 9/ /63 OFFICE OF THE DEAR

Mr. Coril R. Enchance, Antichest Chief Isotope Extracton Division of Lieraving and Begulatica United Status Atomic Rostop Commission Only Ridge, Extracocce

Dier Mr. Bicksman:

Mil Your letter of James 27, 1993 (IEB: JEB (8156).

The decage of Ill as the indice to be used in tracting patients with brast and lung discours averages for me. Per march for three months, a total dree of 60 ms. The proper is b0-60 ms. Pertames with intersetable engine and compositive heart failure are accedidates for much management. The type of long condition to be treated in this manner is chronic palacement discuss such as palacement emphysema with severe respiratory insufficiency. Tritium (D) will be used to determine total body mater. Carbonia in the form of Easilo, and sedim accepte and the smine scide (glysine, mothiculae, phenylalaniae, etc.) will be used in the determination of the metabolism of there exhibitions in individuals including three with cameer and altermation in metabolism. Carbonia labeled uris said and related substances will be used in the determination of body pools and turnever rates in patients with great and related discourse.

The pecsession limits for Indias 11 is 200 millippries, for Phosphopome 12 100 milliparies, Galdis 600 milliparies, Galdis 600 milliparies, Galdis 600 midrogaries, Tritium (8) 1 microsurie. Total quantity is 10 milliparies.

I reprot that the wording of our application was misleading. We do not intend to use shrowin phosphate is blood dysermains.

With reference to paragraph 5., we do not have a separately written administrative procedure for the work of the Isotope Semmittee. Semmittee are provided with the relevant Atomic Emergy Standards on publishing. The function of the Committee is advisory and I am possessily is direct charge of the handling of the isotopes. Fith regard to the specific information requested in this same paragraph I transmit the following:

1. The responsibility of the Committee as mentioned above is advisery.

2. The full Committee meets from time to time when there is sufficient business to transmet. The intervals may range from a few months to mearly a year.

I. The actual handling of isetopes for memor ase is dome entirely by qualified personnel within the Clinical Radie-isotope Center or by trainees under the immediate supervision of the qualified physicians of the Clinical Radioisetope Staff. Therefore, for physicians other than trainees, our policy is to determine whether they have had a sufficient clinical experience, (i.e., the Atemia Emergy Commission requirements), and if they have not, make arrangements.

for them to receive it, under superrision. Wasse a physician has a sufficient climical experience the Committee reviews his qualifications. This is usually deme by circulation although if there are any impertent questions they are reviewed at an actual meeting. If the Committee is satisfied that the physician is in fact qualified to recommend dosage of the designated isotops a recommendation is prepared and forwarded to the Mospital Advisory Committee, Venderbilt University Hespital. If this recommendation meets with the Advisory Committee's' approval, the physicism's name is added to the list of those suthorised to recommend doeage in isotope therepy. Experimental uses are dealt with as an entirely separate matter and no general authority to engage in experimental work is given. Experimental uses of isotopes are under my immediate supervision. In determining the qualifications of physicians to recommend dosage the guide lines layed down in the Atomic Emergy Commission Balletin antitled "The Medical Bee of Radioisotopes" is fellowed. Hoodless to say, although we do not advertise the fact, we of the staff of the Center are in a position so exercise complete control over human dosage and if a recommended dose were out of line with acceptable practice we would deal with the situation with whatever degree of tact appropriate, but under so circumstances would we permit the sotual administration of excessive dosage, nor would we permit therepeutic use of any isotope in cases where such therapy was contraindicated.

- inventory is saintained by preservation of all order slips, shipping tickets and appropriate entries in the laboratory therapy log book. In addition, the log book specifically shows by signature the names of the individuals who physicially participated in the administration of therapeutic isotopes in order at some future time these individuals may document their experience should they wish to obtain atomic Energy Commission license for themselves.
- 5. The Committee proceedings are recorded stenographically during the meeting and these transcripts are subsequently edited to become the minutes of the Committee meeting. After correction and approval by the Committee they are filed for record and for future guidance.

Mr. Cooil R. Buchanan, Assistant Chief

RE: (IRB: JEE (8156).

SPICE OF THE DEAR

Our present Climical Radioisotope Center Committee is as follows:

Jam C. Burch Robert C. Hartmann Grant W. Liddle Merbert C. Francis Granville W. Mudson M. William Scott, Jr.

With regard to your sixth paragraph it is not our policy to provide stereotyped instructions to nursing personnel. When appropriate, lectures are given to our nurses and to sembers of our local Murses Association and periodically we procure from the Atomic Energy Commission appropriate literature for distribution to nurses. We do not however rely upon this for the specific patient.

- 1. Written orders for the care appropriate to the individual are entered in the normal place for such directions, nearly, the order sheet of the individual hospital chart.
- Directions with regard to visitors, when appropriate, are also specifically indicated in the doctor's orders.
- 3. We avoid collection of urine and excrete from therapy cases. There is, of course, no problem in this Department prostate cases which are few in number at this hospital. In the case of large therapeutic doses of ledine specific instructions are embodied in the doctor's orders mather outs. Specific activity dilution of miseographed handpotassium iedide is employed. We provide a bottle of the after each use.

I trust this will provide you with the needed information, but I will be happy to clarify any further points which remain obscure.

with best personal regards, I remain,

Sincerely yours,

George R. Memeely, M.D. Associate Professor of Medicine Assistant to the Dean

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