

Radioactive Drug Research Committee

Application for Radioactive Drug Research Protocol

L.	General Information				
	Principal Investigator:				
	Primary Authorized User:				
	Other Authorized Users:				
	Project Title:				
	Please provide a brief description o statement used on Form FDA 2915)		e statement must match the		
	Number of Subjects:	Age Range:			
	Number of Controls:	Age Range:			
2.	Radiopharmaceutical Information				
	Radionuclide:	Activity (MBq):	Scans per Subject:		
	Chemical Form:				
	Production of Radioactive Drug:				
	Applicant must provide details of the preparation of the radiopharmaceutical to be used in the study. This can be a descriptive paragraph, flow chart, or other format, but it must include a detailed process by which the drug will be prepared.				
	Attachment Included: Yes No				
	Quality of Radioactive Drug:				
	Applicant must provide information confirming that the radioactive drug meets appropriate chemical, pharmaceutical, radiochemical and radionuclide standards of identity, strength, quality and purity. Material for parenteral use must be prepared in sterile and pyrogen-free form. Include a list of quality tests and the respective specification for each test.				
	Attachment Include	d: ∐ Yes No			

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2.	Radiopharmaceutical Information (continued)		
	Radiopharmaceutical Label:		
	Applicant must provide an example label. The label must include the information required by 21CFR361.1.		
	Attachment Included:		
3.	Radiologic Considerations		
	Dosimetry of All Sources of Ionizing Radiation:		
	 a. Provide absorbed dose calculations based on available biological distribution data from published literature or other valid studies. This dosimetry data should include calculation for the primary critical organ, secondary critical organ, whole body, bone marrow, lens of the eye, and reproductive organs. Dose limits may not exceed: Whole body - 3 rem/dose or 5 rem/year Organ dose - 5 rem/dose or 15 rem/year 		
	NOTE: For research subjects under 18 yrs at last birthday, dose shall not exceed 10% of the above. Radiation dose from procedures involving ionizing radiation (e.g. CT, SPECT/CT, PET/CT) that are part of the research study (i.e., would not have occurred but for study) shall also be included as well as any follow-up possibilities. Dose calculations shall be based on MIRD calculations of the Society of Nuclear Medicine or ICRP System. Calculations should be based on biologic distribution data available from published literature or from other valid studies. Provide documentation of bibliographic sources		
	Attachment Included:		
	 b. Provide manufacturer, model and serial number of instrument used to assay patient dose. Manufacturer: Model: Serial Number: 		
	c. Attach a short summary detailing why the radioactive drug chosen is suitable due to half-life, types of radiation, radiation energy, metabolism, chemical properties, etc., to achieve optimal information from lowest dose to whole body or specific organs.		
	Attachment Included: Yes No		

4. Pharmacologic Information

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The pharmacological dose shall not cause any clinically detectable pharmacological effect in human beings; or, the total amount of active ingredients including the radionuclide shall be known not to exceed the dose limitations applicable to the separate administration of the active ingredients excluding the radionuclide. Provide pharmacological dose calculations based on data available from published literature or from other valid human studies. *Provide documentation of bibliographic sources*

	Attachment Included:		
5.	Investigator(s) Qualification		
	Provide qualification of investigator to conduct studies by training and experience.		
	Attachment Included:		
6. Appropriate Selection of Subjects			
	a. Obtain approval of Institutional Review Board of consent form which will be required fr all participants. Also present for approval to RDRC.		
	Attachment Included:		
b. Studies involving minors must:			
	i. Present a unique opportunity to obtain information not currently available		
	ii. Be without significant risk to the minor, and		
	iii. Be supported with review by qualified pediatric consultants to the Radioactive Drug Research Committee.		
	Attachment Included:		
	c. Female subject shall state that she is not pregnant or submit to confirmatory pregnancy test. Breast feeding must be terminated		
	Attachment Included:		
7.	Research Protocol		

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Protocol must be based on sound rationale derived from appropriate animal studies or published literature. Attachment Included: Yes □ No 8. Additional Committee Reviews Provide the IRB application number: Provide a copy of the Protocol Review committee application. Attachment Included: Yes No Not applicable Certification: The statements made in this application are true to the best of my knowledge. I accept responsibility for the radiation safety aspects of this study and agree to contact the Radiation Safety Officer and/or the Chairman of the RDRC within 24 hours of any excessive radiation exposure, contamination, or adverse reactions. If required by the terms of approval, I agree to provide the Radioactive Drug Research Committee with Quarterly Progress Reports at the end of each calendar quarter and with a fully completed Form FDA 2915 (Report on Research Use of Radioactive Drug; Study Summary) at the time of initial approval, immediately after the end of each year during which the study was active, and at the completion of the study. Principal Investigator PI Department Chairman Date Date