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National Cancer Institute

Cancer Imaging Program

Protocol Template Components and General Requirements for Studies that will use [F-18]DCFBC

Under the NCI CIP-held IND # 122,053

VERSION: 1.0

EFFECTIVE: Dec 20th, 2016

This Document Contains

General requirements for protocols & consents for studies using the radiopharmaceutical [F-18]DCFBC
in qualifying studies

and

[F-18]DCFBC related prompts, suggestions, and sample content that may be used for guidance, IN
ADDITION TO EXISTING NCI/CTEP PROTOCOL DEVELOPMENT TEMPLATES AND TOOLS,
to develop a new protocol for an NCI study that will use [F-18]DCFBC.

General Protocol & Consent Requirements:

1. The IND holder [e.g. NCI], and the specific IND number under which this investigational radiopharmaceutical PET agent will be provided, must be explicitly stated in an appropriate and prominent place in the opening sections of the protocol.
2. [F-18]DCFBC must be clearly identified as an investigational agent, per se, in the protocol and consent, and [F-18]DCFBC must appear in the 'investigational agent' section, or equivalent, of the protocol.
3. The distinction between the following must remain clear throughout the protocol and consent:
 - standard of care imaging [e.g. FDG-PET scans that are non-study specific].
 - study specific [research] use of standard imaging [e.g. FDG-PET scans added solely for the study].
 - inherently investigational imaging [e.g. any DCFBC-PET scans].

Referring to DCFBC-PET scans as 'study specific' procedures [i.e., like an additional standard CT or MRI might be described] is NOT, by itself, adequate, as DCFBC-PET is currently investigational.

4. [F-18]DCFBC risks must be consistent with the current applicable Investigator's Brochure, which may be obtained by forwarding a request to NCICIPINDAGENTS@mail.nih.gov.

Template Text Conventions & Comments:

- Sample/Suggested template text and placeholders appear as normal/**bold** text.
- Prompts for possible insertion or substitution of study specific information appear in underline highlight or [brackets with yellow highlight].

THE TEMPLATE BEGINS ON THE NEXT PAGE

[Document Identification]

TABLE OF CONTENTS

SCHEMA [Please indicate, in schema, when DCFBC-PET will be performed in the study]

STUDY AIMS/RATIONALE/OBJECTIVES

Primary Objective [Please Specify DCFBC Primary Objective if applicable]

Secondary/Exploratory Objective [Please Specify DCFBC Secondary/Exploratory Objective if applicable]

SAMPLE SIZE [Please add information regarding DCFBC-PET as appropriate]

ABSTRACT [Please add information regarding DCFBC-PET as appropriate]

BACKGROUND [Please add information regarding DCFBC-PET as appropriate]

IMAGING AGENT INFORMATION

For complete information, please refer to the current Investigator's Brochure: [Insert title, version and date of NCI IB] [NOTE: to obtain the most current IB contact NCICIPINDAGENTS@mail.nih.gov .]

Pharmacology and Toxicology: [Insert appropriate text from the current Investigator's Brochure]

Toxicity of DCFBC in Humans: [Insert appropriate text from the current Investigator's Brochure]

Dosimetry: [Insert appropriate text from the current Investigator's Brochure]

Previous Human [F-18]DCFBC Imaging Studies: [Insert appropriate text from the current Investigator's Brochure]

[F-18]DCFBC Administered Dose:

[F-18]DCFBC will be administered to subjects over 1 minute by intravenous bolus injection. Doses will be pre-calibrated to [mCi or mCi/kg], with a dose range of []. The dose will not exceed mCi total.

Quality Assurance, Quality Control and Storage:

In accordance with regulations, the radioisotope vendor conducts several quality control tests on the [F-18] DCFBC product prior to release for human administration. Once delivered to the participating institution, doses will be stored in the appropriate storage area in the nuclear medicine facility until they are administered to the patient on the same day.

Supplier of [F-18]DCFBC:

Drug Ordering:

[F-18] DCFBC will be purchased from [specify by name and telephone number the NCI IND AUTHORIZED commercial vendor (e.g. PetNet, Cardinal, IBA) of radioisotopes to be used] under the NCI IND. The vendor must be specifically authorized within the NCI IND. The investigator or appropriate investigator-designee will order subject doses of [F-18] DCFBC for this specific trial. The investigational radiopharmaceutical [F-18]DCFBC solution will be shipped to the site the same day the participant is to be injected.

The [investigational pharmacist or qualified nuclear medicine technologist] at the participating institution will be the responsible party designated by the investigator.

Drug Returns:

If for any reason the study imaging is unable to be completed, sites will allow the radioactivity of the [F-18]DCFBC solution to decay and then discard it appropriately per site's policies and procedures, making a record of the event as required. A copy of the policy should be available upon request.

Drug Accountability:

The investigator or the investigator-designee must maintain a detailed record of receipt, disposition, and destruction dates of [F-18]DCFBC solution, using the [redacted] form appended hereto or available on the web at [redacted].

STUDY OVERVIEW

PARTICIPANT SELECTION/ELIGIBILITY CRITERIA

STUDY PROCEDURES & STUDY CALENDAR [Please include [F-18]DCFBC PET events in the study calendar]

DATA MANAGEMENT/REGISTRATION [Please discuss local or centralized image review]

IMAGING PROTOCOL

[F-18]DCFBC Administration:

[F-18]DCFBC will be provided by a vendor authorized within the NCI IND. [F-18]DCFBC will be administered according to the guidance provided in the most current Investigators Brochure for this IND.

[F-18]DCFBC-PET Imaging:

[Image Acquisition Details]

[Image Analysis Details]

[Image Interpretation Details]

[Imaging Related Procedures]

STATISTICAL CONSIDERATIONS

Reporting and Exclusions:

Evaluation of toxicity

All subjects will be evaluable for toxicity from the time of injection of [F-18]DCFBC until 24 hours after injection. [See Adverse Event Reporting Section].

Reporting Guidelines

[Please Specify ALL requirements, timing, mechanisms, systems, and backups to be used for recording data to CRFs and reporting data to NCI]

APPENDIX I

[Current [F-18]DCFBC IDB for the NCI held IND]