

IAC Nuclear/PET Accreditation Checklist & Case Study Requirements

Get Started

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| <input type="checkbox"/> | Review the IAC Standards and Guidelines for Nuclear/PET Accreditation The <i>Standards</i> are the basis for the IAC Nuclear/PET accreditation program and can be downloaded at www.intersocietal.org/programs/nuclear-pet/standards . These <i>Standards</i> define the complete, minimum requirements for which an accredited facility is held accountable. |
| <input type="checkbox"/> | IAC Accreditation Account Log in to your existing account or create a new account (first-time applicants only). |

Staff & Facility Information

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| <input type="checkbox"/> | Procedure Volumes (estimated annual facility procedure volume information) |
| <input type="checkbox"/> | NRC/Agreement State Radioactive Materials License (for each site listed on the application) |
| <input type="checkbox"/> | Training/Experience Qualification Pathways for Interpreting Medical Staff |
| <input type="checkbox"/> | Board Certificate and Registry/Certification for Medical and Technical Staff (Verified online by IAC Staff, must have expiration dates available) |
| <input type="checkbox"/> | Physician Medical License (must have expiration dates available) |
| <input type="checkbox"/> | BLS Certification |
| <input type="checkbox"/> | ACLS Certification |
| <input type="checkbox"/> | Continuing Medical Education (CME) Information for All Staff (must be kept on file and available for submission to the IAC upon request): All staff members are required to have 15 CME/CE relevant to nuclear medicine/PET every three years; even if they are new to the facility. |

Policies and Protocols

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| <input type="checkbox"/> | Request for Services Policy: A policy for requesting clinical nuclear medicine procedures. |
| <input type="checkbox"/> | Informed Consent Policy: A policy for obtaining informed consent for nuclear medicine procedures. |
| <input type="checkbox"/> | Infection Control/Communicable Diseases Policy: A policy to ensure appropriate precautions to protect both patients and facility personnel are taken, in accordance with universal precautions. |
| <input type="checkbox"/> | Hazardous Materials Policy: A policy to ensure appropriate precautions to be taken when using and storing flammable and toxic materials. |
| <input type="checkbox"/> | Medical Emergencies Policy: A policy that includes a plan for responding to patient medical emergencies, which includes an outline of staff responsibilities. |
| <input type="checkbox"/> | Handling of Non-Radioactive Pharmaceuticals Policy: A policy that includes storage and preparation instructions, and identity, dose, expiration date verification and documentation. |
| <input type="checkbox"/> | Drug Administration Errors Policy: A policy that includes instructions for recording, reporting and documentation of drug administration errors |

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| <input type="checkbox"/> | Adverse Drug Reactions Policy: A policy that includes instructions for documenting and reporting adverse drug reactions. |
| <input type="checkbox"/> | Primary Source Verification Policy: A policy for verifying all medical and technical staff member credentials through the applicable issuing agencies. |
| <input type="checkbox"/> | Patient Identification Policy: A policy that includes instructions for identifying the patient using at least two patient identifiers. |
| <input type="checkbox"/> | Patient Complaint Policy: A policy that outlines the process for patients to issue a complaint/grievance about the care/services they received at your facility. |
| <input type="checkbox"/> | Pregnancy/Breast Feeding Policy: A policy that assures that patients who could be pregnant or breastfeeding are identified. |
| <input type="checkbox"/> | Radiopharmaceutical Administration Policy: A policy that assures the safe administration of radiopharmaceuticals to patients |
| <input type="checkbox"/> | Radiation Safety and Radioactive Materials Handling Protocols: Protocols for radiation safety and the handling of radioactive materials (e.g., safe use and handling of radioactive materials, receipt of radioactive materials, preparation (if applicable), and radioactive materials storage and disposal). |
| <input type="checkbox"/> | Clinical Imaging Protocols for All Procedures Performed: Clinical procedure manual that includes every clinical procedure performed at the facility, even those performed only occasionally. |
| <input type="checkbox"/> | Exercise/Pharmacologic Stress Protocols: A site-specific stress protocol for all types of stressing activity performed (e.g., exercise, dipyridamole, adenosine, regadenoson or dobutamine). |
| <input type="checkbox"/> | Quality Control Protocols: Site-specific written instructions for the performance of quality control tests (equipment manufacturer's manuals will not be accepted). |
| <input type="checkbox"/> | Quality Control Images/Documentation: The most recent quality control images/records for imaging equipment is required. |
| <input type="checkbox"/> | Preventive Maintenance Documentation: Preventive maintenance must be performed semiannually by qualified service personnel. |
| <input type="checkbox"/> | Quality Improvement (QI) Plan: A written QI plan that includes QI measure of test appropriateness, technical quality review, interpretive quality review, and final report completeness and timeliness. |
| <input type="checkbox"/> | Quality Improvement (QI) Meeting Minutes: A minimum of two Nuclear/PET QI meetings per year must be held to review the findings of the QI measures and to determine actions for improvement of performance. |

Case Study Requirements

- All case studies must be from within one year from the application submission date. At least one case study must be interpreted by the Medical Director.

Nuclear Cardiology

Myocardial Perfusion Imaging (MPI):

4 case studies

- 1 normal and 3 abnormal* studies
- At least 1 exercise stress and 1 pharmacologic stress study

**A study with breast or subdiaphragmatic attenuation does not qualify as abnormal.*

Images to Submit ([view sample images](#)):

- Movies (cine) of rest and stress rotating images (to check for motion and overall quality) (if available)
- Movie (cine) of gated SPECT slices (to view wall motion)
- Reconstructed stress-rest slices (gray scale and color)
- Calculated LVEF and time volume curve
- Gated SPECT slices in end diastole and end systole
- Quantitative data, polar maps, etc.

Equilibrium Radionuclide Angiography (ERNA or Gated Blood Pool):

2 case studies

- Case studies may be normal or abnormal

Note: Only 2 ERNA case studies will be required if the facility is seeking accreditation in an additional nuclear cardiology area.

Images to Submit:

- Movie (CINE) of the LAO45, anterior and left lateral views (if available) or a screen capture of all three views
- LVEF curve and calculated EF

Other Cardiovascular:

2 case studies

- Case studies may be normal or abnormal

Note: Only 2 case studies will be required if the facility is seeking accreditation in an additional nuclear cardiology area.

General Nuclear Medicine

- GNM case study submission requirements will be automatically calculated based on the information entered in the online application. A minimum of 2 (maximum of 10) cases will be required.
- If applying for accreditation in more than one testing area of GNM, submit 2 abnormal cases for each testing area performed.

The 5 testing areas available for GNM are listed below:

- Musculoskeletal / Infection / Tumor
- Gastrointestinal
- Genitourinary
- Endocrine / Endocrine Non-imaging
- Hematopoietic, Reticuloendothelial, Lymphatic / Pulmonary / Central Nervous System

PET (Oncology, Neurology and Cardiology)

- If applying for one testing area of PET (oncology, neurology or cardiology), submit 3 abnormal cases.
- If applying for accreditation in more than one testing area of PET (oncology, neurology or cardiology), submit 3 abnormal cases for each testing area performed.

PET cardiology images to submit:

- Movie (cine) of gated slices (to view wall motion)
- Reconstructed stress-rest slices (gray scale and color)
- Calculated LVEF and time volume curve
- Gated slices in end diastole and end systole
- Quantitative data, polar maps, etc.
- Rest emission/transmission or CT registration images (3 planes)
- Stress emission/transmission or CT registration images (3 planes)

If flow is performed:

- Images of flow with ROIs
- Flow curves
- Quantitative rest and stress flow and myocardial flow reserve

If PET/CT is performed:

- PET/CT fusion images

Multiple Sites

- Submit 2 abnormal case studies from any testing area in which the facility is applying for accreditation.
- The 2 abnormal cases are in addition to the requirements for the primary site above.

Helpful Resources



Continuing Education (CE/CME) Finder

Looking for CE/CME? Visit the [CE/CME course calendar](#) on the IAC website to search through a robust calendar of in-person, virtual and on-demand courses.



Sample Document Repository

Sample versions of policies and protocols listed above can be found in the [IAC Sample Document Repository](#) >> Select Nuclear/PET under modality or use the search bar.