

# INTERNATIONAL STANDARD

AMENDMENT 1

**Radionuclide imaging devices – Characteristics and test conditions –  
Part 1: Positron emission tomographs**

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WITHDRAWN



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AMENDMENT 1

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Part 1: Positron emission tomographs**

INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

PRICE CODE

**D**

## FOREWORD

This amendment has been prepared by subcommittee 62C: Equipment for radiotherapy, nuclear medicine and radiation dosimetry, of IEC technical committee 62: Electrical equipment in medical practice.

The text of this amendment is based on the following documents:

Enquiry draft	Report on voting
62C/419/CDV	62C/432/RVC

Full information on the voting for the approval of this amendment can be found in the report on voting indicated in the above table.

The committee has decided that the contents of this amendment and the base publication will remain unchanged until the maintenance result date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

A bilingual version of this publication may be issued at a later date.

### Introduction to this amendment

Further developments of POSITRON EMISSION TOMOGRAPHS allow most of the tomographs to be operated in fully 3D acquisition mode. To comply with this trend, this amendment describes test conditions in accordance with the acquisition characteristic. It is the intention to simulate 3D imaging without introducing new phantoms or new acquisition or processing protocols. The test does simulate more realistically count rate characteristics for whole body imaging. Measurement of SCATTER FRACTION is not intended with this test. Certain parts of the standard are amended as stated below.

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#### 3.5.3 Method

*Add, after the first paragraph, the following new text:*

For scatter condition as simulated in 3.5.3.1.3, the total amount of ACTIVITY is the ACTIVITY in the body phantom.