

ICS 17.240
CCS A 58

JJG

**INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

JJG 1013-2006

**Verification Regulation of γ Radiation Source Used in Head
Stereotactic Radiosurgery Therapy
(English Translation)**

Issued on: December 8, 2006

Implemented on: March 8, 2007

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine**

Table of Contents

1 Scope (1)	
2 Citations (1)	
3 Terms and units of measurement (1)	
3.1 Terminology (1)	
3.2 Unit of measurement (2)	
4 Overview (2)	
5 Metrological performance requirements (2)	
5.1 Radiation isocenter and mechanical isocenter consistency (2)	
5.2 "Superimposed radiation field" (2)	
5.3 "Superimposed penumbra" (3)	
5.4 Head gamma knife output dose (3)	
6 General technical requirements (3)	
6.1 Equipment Labels (3)	
6.2 Device Display (3)	
6.3 Safety requirements for treatment equipment (3)	
7 Measuring instrument control (4)	
7.1 Verification conditions (4)	
7.2 Verification items and verification methods (6)	
7.3 Processing of verification results (7)	
7.4 Verification cycle (8)	
Appendix A Calculation Formula for Focus Absorbed Dose (9)	
Appendix B Evaluation of gamma-knife focus dose measurement uncertainty (10)	
Appendix C Verification certificate page format (11)	
Appendix D Head gamma knife experiment report (1) (13)	
Appendix E Head gamma knife experiment report (2) (15)	

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Appendix E Head gamma knife experiment report (2) (15)

Head stereotactic radiosurgery gamma radiation treatment source verification procedure

1 Scope

This procedure is applicable to the first verification, subsequent verification and use of gamma radiation therapy sources for stereotactic radiosurgery of the head.

test.

2 Citations

STEREOTACTICRADIOSURGERYSYSTEM , ReportofTaskGroup42Radiation TherapyCommittee.AAPMREPORTNo.54, June1995 [" Stereotactic radiosurgery system, put Report of the 42nd Working Group of the Radiation Therapy Committee, Technical Report of the American Association of Medical Physicists (AAPM) No. 54 (1995 edition)] Absorbeddosedeterminationinphotonandelectronbeams,Aninternationalcodeof Practice,SecondEdition,IAEATech.Rer.Ser.No.277,VIENNA1997 [Photon and Electronics Absorbed dose measurement of bundles, International Practical Regulations, IAEA Technical Report No. 277 (Second Edition, 1997)] JJF1001-1998 General Terms and Definitions JJF1059-1999 "Measurement and Expression of Measurement Uncertainty" JJG 912-1996 "Regulations for the verification of therapeutic level ionization chamber dosimeter" GB 191-90 "Package Storage and Transportation Graphic Mark" GB 4076-83 "General provisions for sealed radioactive sources" GB 5013.1-1997 "Rubber insulated flexible cable with rated voltage of 450/750V and below - Part 1. 1 General regulation GB 9706.1-1995 "Medical Electrical Equipment Part 1. General Requirements for Safety" GB/T 9969.1-1998 "General rules for the use of industrial products" GB/T 14710-93 "Environmental requirements and experimental methods for medical electrical equipment" YY0076-92 "Lamination classification and technical conditions of metal parts" YY0096-92 "Cobalt-60 Teletherapy Machine" GB/T 17857-1999 "Medical radiology terms (radiation therapy, nuclear medicine and radiation dosimetry equipment)" 3 terms and units of measure

3.1 Terminology

3.1.1 Collimator colimator A device that limits the direction of the beam and the size of the beam.

3.1.2 Focus Focus

The center of the beam that is focused by the collimator is called the focus.

3.1.3 "Overlay radiation field" size "overlappingofirradiationfield" size a three-dimensional "superimposed radiation field" composed of a plurality of radiation sources arranged in a certain latitude and longitude, with a dose