

## BUREAU OF INDIAN STANDARDS

### Program of Work

#### MHD 7 : Neurosurgery Instruments Implants and Accessories

**Scope:** To formulate Indian Standards for Neurosurgery instruments, implants and accessories (cranial & spinal) and monitoring devices

**Liaison:**

### Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10157:2023	Neurological Percussor (First Revision)		-	Indigenous
2	IS 10172:1982 Reviewed In : 2022	Specification for burs and perforators for drill brace	July, 2022	-	Indigenous
3	IS 10172:2023 IEC TS 60815-4: 2016	Drill Brace - Burs and Perforators ( First Revision )		-	Identical under dual numbering
4	IS 10174:2023	Skull Traction Tongs - Crutchfield's Pattern (First Revision)		-	Indigenous
5	IS 10183:2024	Self- Retaining Retractor For Laminectomy (first revision)		-	Indigenous
6	IS 10676:2024	Brain Spatula " Olivecrona"™s Pattern (First Revision)		-	Indigenous
7	IS 10677:2024	Intervertebral Disc Rongeur (First Revision)		-	Indigenous
8	IS 10765:2024	Cushing's Pattern Toothed and Bayonet Shaped Dissecting Forceps( First Revision )		-	Indigenous
9	IS 13141:2023	Leksell's Rongeur for Neurosurgery (First Revision)		-	Indigenous
10	IS 13175:2025	Neurosurgical Instruments - Needle Holder - Shape and Dimensions (First Revision)		-	Indigenous
11	IS 13180:2023	Neurosurgery - Scoville Trephine ( First Revision )		-	Indigenous
12	IS 14139 (Part 1):2024 ISO 9713 : 2022 ISO 9713:2022	Neurosurgical Implants Part 1 Self-Closing Intracranial Aneurysm Clips (Second Revision)		-	Identical under dual numbering
13	IS 14679:1999 Reviewed In : 2021	Neurosurgical implants - Implantable peripheral nerve stimulators	January, 2021	-	Indigenous
14	IS/ISO 14708-1:2014 ISO 14708-1 : 2014 Reviewed In : 2023	Implants for surgery - Active implantable medical devices: Part 1 general requirements for safety, marking and for information to be	January, 2023	-	Identical under single numbering

	ISO 14708-1:2014	provided by the manufacturer (First Revision)			
15	IS/ISO 14708-3:2017 ISO 14708-3 : 2017 Reviewed In : 2024 ISO 14708-3:2017	Implants for surgery - Active implantable medical devices: Part 3 implantable neurostimulators (First Revision)	March, 2024	-	Identical under single numbering
16	IS 17744:2021 16054:2019 16054:2019	Implants for surgery Minimum data sets for surgical implants		-	Identical under dual numbering
17	IS/ISO 7197:2006 Reviewed In : 2024	Neurosurgical implants - Sterile, singleuse hydrocephalus shunts and components	July, 2024	-	Indigenous
18	IS 8174:2025	Neurosurgical Instruments- Forceps Artery Dandys Pattern- Shape and Dimensions ( Second Revision )		-	Indigenous
19	IS 8175:2025	Neurosurgical Instruments -Forceps Artery Straight and Curved on Flat Hugh Cairns Pattern - Shape and Dimensions ( Second Revision )		-	Indigenous
20	IS 8176:2023	Dissectors - Penfield's Pattern (First Revision)		-	Indigenous
21	IS 8334:2025	Rongeur, Cranial, Dahlgren's Pattern - Specification ( First Revision )		-	Indigenous
22	IS 8380:2023	Double Action Rongeur - Olivecrona's Pattern (First Revision)		-	Indigenous
23	IS 8695:2025	Forceps, Dressing, Bayonet Shape, Gushing's Pattern - Specification (first revision)		-	Indigenous
24	IS 8696:2025	Guide, Saw, De Martel's Pattern - Specification (First Revision)		-	Indigenous
25	IS 8799:2023	Kerrison Rongeur (First Revision)		-	Indigenous
26	IS 9041:2023	Neurosurgery - Periosteal Elevator ( First Revision )		-	Indigenous
27	IS 9072:2023	Pituitary Rongeur (First Revision)		-	Indigenous
28	IS 9073:2023	Neuro-suction Tubes (First Revision)		-	Indigenous
29	IS 9074:2023	Raney Clips and Applicators (First Revision)		-	Indigenous
30	IS 9408:2024	Self-Retaining Retractor for Neurosurgery (second revision)		-	Indigenous
31	IS 9410 (Part 1):2023	Silver Clip Sets Part 1 Clip Cutting and Forming Forceps (First Revision)		-	Indigenous
32	IS 9410 (Part 2):2023	Silver Clip Sets Part 2 Clip Applying Forceps (First Revision)		-	Indigenous
33	IS 9410 (Part 3):2023	Silver Clip Sets Part 3 Clip Racks (First Revision)		-	Indigenous
34	IS 9903:2023	Skull Brace (First Revision)		-	Indigenous
35	IS 9904:2023	Dural Hooks (First Revision)		-	Indigenous

36	IS 9911:2025	Brain Cannula - Specification (First Revision)		-	Indigenous
37	IS 9914:2023	Ice Tong Calipers - Cone's Pattern (First Revision)		-	Indigenous
38	IS 9933:2023	Brain Retractors (First Revision)		-	Indigenous

Standards under Development

Projects Approved		
SI. No.	Doc No.	Title
No Records Found		

Preliminary Draft Standards		
SI. No.	Doc No.	Title
No Records Found		

Drafts Standards in WC Stage		
SI. No.	Doc No.	Title
No Records Found		

Draft Standards Completed WC Stage		
SI. No.	Doc No.	Title
No Records Found		

Finalized Draft Indian Standard		
SI. No.	Doc No.	Title
No Records Found		

Finalized Draft Indian Standards under Print					
SI. No.	Doc No.	Title			
1	MHD 7 (26390)	Specification for Intracranial Pressure Monitors			
2	MHD 7 (26391)	Specification for Electroconvulsive Therapy Machine			
3	MHD 7 (27389)	Neurosurgical implants Sterile single-use hydrocephalus shunts			
4	MHD 7 (28678)	Specification of Leyla Retractor for Neurosurgery			

Total Published Standards:37 Total Standards Under development:4

Aspect Wise Report

Product : 35

Code of Practices : 1

Methods of Test : 0

Terminology : 0

Dimensions : 1

System Standard : 0

Safety Standard : 1

Others : 0

Service Specification : 0

Process Specification : 0

**Annexure-I :List of Indian Standards Withdrawn/Superseded**

Sl. No.	IS No. & Year	Title
1	IS 14219:2001 Reviewed In : 2006	Neurosurgical Implants - Sterile Single-Use Hydrocephalus Shunts and Components
2	IS/ISO 14708-7:2013 ISO 14708-7 : 2013 ISO 14708-7:2013	Implants for surgery - Active implantable medical devices Part 7 particular requirements for cochlear implant systems
3	IS 14921:2001 ISO 10310 Reviewed In : 2011	Neurosurgical Implants Marking and Packaging of Implantable Neural Stimulators

**Annexure-II :List of Indian Product Standards**

Sl. No.	IS No. & Year	Title
1	IS 10157:2023	Neurological Percussor First Revision
2	IS 10172:1982 Reviewed In : 2022	Specification for burs and perforators for drill brace
3	IS 10174:2023	Skull Traction Tongs - Crutchfield 39 s Pattern First Revision
4	IS 10183:2024	Self- Retaining Retractor For Laminectomy first revision
5	IS 10676:2024	Brain Spatula Olivecrona s Pattern First Revision
6	IS 10677:2024	Intervertebral Disc Rongeur First Revision
7	IS 10765:2024	Cushing s Pattern Toothed and Bayonet Shaped Dissecting Forceps First Revision
8	IS 13141:2023	Leksell 39 s Rongeur for Neurosurgery First Revision
9	IS 13175:2025	Neurosurgical Instruments - Needle Holder - Shape and Dimensions First Revision
10	IS 13180:2023	Neurosurgery - Scoville Trephine First Revision
11	IS 14139 (Part 1):2024 ISO 9713 : 2022	Neurosurgical Implants Part 1 Self-Closing Intracranial Aneurysm Clips Second Revision
12	IS 14679:1999 Reviewed In : 2021	Neurosurgical implants - Implantable peripheral nerve stimulators
13	IS/ISO 14708-3:2017 ISO 14708-3 : 2017 Reviewed In : 2024 ISO 14708-3:2017	Implants for surgery - Active implantable medical devices Part 3 implantable neurostimulators First Revision
14	IS/ISO 7197:2006 Reviewed In : 2024	Neurosurgical implants - Sterile singleuse hydrocephalus shunts and components
15	IS 8174:2025	Neurosurgical Instruments- Forceps Artery Dandys Pattern-Shape and Dimensions Second Revision
16	IS 8175:2025	Neurosurgical Instruments -Forceps Artery Straight and Curved on Flat Hugh Cairns Pattern - Shape and Dimensions Second Revision
17	IS 8176:2023	Dissectors - Penfield 39 s Pattern First Revision
18	IS 8334:2025	Rongeur Cranial Dahlgren 39 s Pattern - Specification First Revision
19	IS 8380:2023	Double Action Rongeur - Olivecrona 39 s Pattern First Revision
		Forceps Dressing Bayonet Shape Gushing 39 s Pattern - Specification first revision

20	IS 8695:2025	
21	IS 8696:2025	Guide Saw De Martel 39 s Pattern - Specification First Revision
22	IS 8799:2023	Kerrison Rongeur First Revision
23	IS 9041:2023	Neurosurgery - Periosteal Elevator First Revision
24	IS 9072:2023	Pituitary Rongeur First Revision
25	IS 9073:2023	Neuro-suction Tubes First Revision
26	IS 9074:2023	Raney Clips and Applicators First Revision
27	IS 9408:2024	Self-Retaining Retractor for Neurosurgery second revision
28	IS 9410 (Part 1):2023	Silver Clip Sets Part 1 Clip Cutting and Forming Forceps First Revision
29	IS 9410 (Part 2):2023	Silver Clip Sets Part 2 Clip Applying Forceps First Revision
30	IS 9410 (Part 3):2023	Silver Clip Sets Part 3 Clip Racks First Revision
31	IS 9903:2023	Skull Brace First Revision
32	IS 9904:2023	Dural Hooks First Revision
33	IS 9911:2025	Brain Cannula - Specification First Revision
34	IS 9914:2023	Ice Tong Calipers - Cone 39 s Pattern First Revision
35	IS 9933:2023	Brain Retractors First Revision