

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 10183 : 1982 Reviewed In : 2022 | Specification for retractor, deep, self - Retaining, laminectomy | July, 2022 | - | Indigenous |
| 7 | IS 10676 : 2024 | Brain Spatula " Olivecrona™s Pattern (First Revision) | | - | Indigenous |
| 8 | IS 10677 : 2024 | Intervertebral Disc Rongeur (First Revision) | | - | Indigenous |
| 9 | IS 10765 : 2024 | Cushing's Pattern Toothed and Bayonet Shaped Dissecting Forceps(First Revision) | | - | Indigenous |
| 10 | IS 13141 : 2023 | Leksell's Rongeur for Neurosurgery (First Revision) | | - | Indigenous |
| 11 | IS 13175 : 1991 Reviewed In : 2022 | Neurosurgical instruments - Needle holder - Shape and dimensions | April, 2022 | - | Indigenous |
| 12 | IS 13180 : 2023 | Neurosurgery - Scoville Trephine (First Revision) | | - | Indigenous |
| 13 | 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 |
| 14 | IS 14139 (Part 1) : 2008 ISO 9713 Reviewed In : 2023 ISO 9713:2022 | Neurosurgical implants - Self - Closing intracranial aneurysm clips (First Revision) | January, 2023 | - | Identical under dual numbering |
| 15 | IS 14679 : 1999 | Neurosurgical implants - | January, 2021 | - | Indigenous |

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|----|---|--|---------------|---|----------------------------------|
| | Reviewed In : 2021 | Implantable peripheral nerve stimulators | | | |
| 16 | IS/ISO 14708-1 : 2014 ISO 14708-1 : 2014 Reviewed In : 2023 ISO 14708-1:2014 | Implants for surgery - Active implantable medical devices: Part 1 general requirements for safety, marking and for information to be provided by the manufacturer (First Revision) | January, 2023 | - | Identical under single numbering |
| 17 | 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 |
| 18 | IS 17744 : 2021 16054:2019 16054:2019 | Implants for surgery Minimum data sets for surgical implants | | - | Identical under dual numbering |
| 19 | IS/ISO 7197 : 2006 Reviewed In : 2024 | Neurosurgical implants - Sterile, singleuse hydrocephalus shunts and components | July, 2024 | - | Indigenous |
| 20 | IS 8174 : 1994 Reviewed In : 2022 | Neurosurgical instruments - Forceps, artery, Dandy's pattern - Shape and dimensions - First Revision | April, 2022 | - | Indigenous |
| 21 | IS 8175 : 1994 Reviewed In : 2022 | Neurosurgical Instruments - Forceps, Artery, Straight and Curved on Flat, Hugh Cairn's Pattern - Shape and Dimensions (First Revision) | April, 2022 | - | Indigenous |
| 22 | IS 8176 : 2023 | Dissectors - Penfield's Pattern (First Revision) | | - | Indigenous |
| 23 | IS 8334 : 1977 Reviewed In : 2022 | Rongeur, Cranial, Dahlgren's Pattern | July, 2022 | - | Indigenous |
| 24 | IS 8380 : 2023 | Double Action Rongeur - Olivecrona's Pattern (First Revision) | | - | Indigenous |
| 25 | IS 8695 : 1978 Reviewed In : 2022 | Forceps, Dressing, Bayonet Shape, Cushing's Pattern | July, 2022 | - | Indigenous |
| 26 | IS 8696 : 1978 Reviewed In : 2022 | Guide, Saw, De Martel's Pattern | July, 2022 | - | Indigenous |
| 27 | IS 8799 : 2023 | Kerrison Rongeur (First Revision) | | - | Indigenous |
| 28 | IS 9041 : 2023 | Neurosurgery - Periosteal Elevator (First Revision) | | - | Indigenous |
| 29 | IS 9072 : 2023 | Pituitary Rongeur (First Revision) | | - | Indigenous |
| 30 | IS 9073 : 2023 | Neuro-suction Tubes (First Revision) | | - | Indigenous |
| 31 | IS 9074 : 2023 | Raney Clips and Applicators (First Revision) | | - | Indigenous |
| 32 | IS 9408 : 2024 | Self-Retaining Retractor for Neurosurgery (second revision) | | - | Indigenous |
| 33 | IS 9410 (Part 1) : 2023 | Silver Clip Sets Part 1 Clip Cutting and Forming Forceps (First Revision) | | - | Indigenous |
| 34 | IS 9410 (Part 2) : 2023 | Silver Clip Sets Part 2 Clip Applying Forceps (First Revision) | | - | Indigenous |
| 35 | IS 9410 (Part 3) : 2023 | Silver Clip Sets Part 3 Clip Racks (First Revision) | | - | Indigenous |

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|----|--------------------------------------|--|-------------|---|------------|
| 36 | IS 9903 : 2023 | Skull Brace (First Revision) | | - | Indigenous |
| 37 | IS 9904 : 2023 | Dural Hooks (First Revision) | | - | Indigenous |
| 38 | IS 9911 : 1981 Reviewed In : 2022 | Specification for cannula, brain | April, 2022 | - | Indigenous |
| 39 | IS 9914 : 2023 | Ice Tong Calipers - Cone's Pattern (First Revision) | | - | Indigenous |
| 40 | IS 9933 : 2023 | Brain Retractors (First Revision) | | - | Indigenous |

Standards under Development

Projects Approved

| SI. No. | Doc No. | Title |
|-------------------------|---------|-------|
| <i>No Records Found</i> | | |

Preliminary Draft Standards

| SI. No. | Doc No. | Title |
|---------|---------------|---|
| 1 | MHD 7 (26388) | SPECIFICATION FOR ALGOMETER |
| 2 | MHD 7 (26390) | Specification for Intracranial Pressure Monitors |
| 3 | MHD 7 (26391) | Specification for Electroconvulsive Therapy Machine |
| 4 | MHD 7 (26392) | Specification for Single Channel Physiological Recorder |

Drafts Standards in WC Stage

| SI. No. | Doc No. | Title |
|-------------------------|---------|-------|
| <i>No Records Found</i> | | |

Draft Standards Completed WC Stage

| SI. No. | Doc No. | Title |
|-------------------------|---------|-------|
| <i>No Records Found</i> | | |

Finalized Draft Indian Standard

| SI. No. | Doc No. | Title |
|-------------------------|---------|-------|
| <i>No Records Found</i> | | |

Finalized Draft Indian Standards under Print

| SI. No. | Doc No. | Title |
|---------|---|--|
| 1 | MHD 7 (25834) Revision of: IS 8174:1994 | Neurosurgical Instruments- Forceps Artery Dandys Pattern-Shape and Dimensions Second Revision |
| 2 | MHD 7 (25835) Revision of: IS 8175:1994 | Neurosurgical Instruments -Forceps Artery Straight and Curved on Flat Hugh Cairns Pattern - Shape and Dimensions Second Revision |
| 3 | MHD 7 (25836) Revision of: IS 13175:1991 | Neurosurgical Instruments Needle Holder Shape and Dimensions First Revision |
| 4 | MHD 7 (25864) Revision of: IS 8334:1977 | Rongeur Cranial Dahlgren s Pattern Specification First Revision |
| 5 | MHD 7 (25865) Revision of: IS 8695:1978 | Specification For Forceps Dressing Bayonet Shape Gushings Pattern First Revision |
| 6 | MHD 7 (25866) Revision of: IS 8696:1978 | Guide Saw De Martel s Pattern Specification First Revision |

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| 7 | MHD 7 (25867) Revision of: IS 9911:1981 | Brain Cannula - Specification First Revision |
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Total Published Standards:37 Total Standards Under development:11

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
 Unclassified : 0

Annexure-I :List of Indian Standards Withdrawn/Superseded

| SI. 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

| SI. 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 : 1991 Reviewed In : 2022 | Neurosurgical instruments - Needle holder - Shape and dimensions |
| 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 | Neurosurgical implants - Implantable peripheral nerve stimulators |

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| | Reviewed In : 2021 | |
| 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 : 1994 Reviewed In : 2022 | Neurosurgical instruments - Forceps artery Dandy 39 s pattern - Shape and dimensions - First Revision |
| 16 | IS 8175 : 1994 Reviewed In : 2022 | Neurosurgical Instruments - Forceps Artery Straight and Curved on Flat Hugh Cairn 39 s Pattern - Shape and Dimensions First Revision |
| 17 | IS 8176 : 2023 | Dissectors - Penfield 39 s Pattern First Revision |
| 18 | IS 8334 : 1977 Reviewed In : 2022 | Rongeur Cranial Dahlgren s Pattern |
| 19 | IS 8380 : 2023 | Double Action Rongeur - Olivecrona 39 s Pattern First Revision |
| 20 | IS 8695 : 1978 Reviewed In : 2022 | Forceps Dressing Bayonet Shape Cushing s Pattern |
| 21 | IS 8696 : 1978 Reviewed In : 2022 | Guide Saw De Martel s Pattern |
| 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 : 1981 Reviewed In : 2022 | Specification for cannula brain |
| 34 | IS 9914 : 2023 | Ice Tong Calipers - Cone 39 s Pattern First Revision |
| 35 | IS 9933 : 2023 | Brain Retractors First Revision |