

Short-term Neurosurgery Skills Training Program
Neurosurgery Skills Training Facility
Neurosurgery Education and Training School
Department of Neurosurgery
All India Institute of Medical Sciences, New Delhi, India

Short-Term Neurosurgery Simulation Skills Training 4 Weeks Program

Lab. Day	Training Schedule (Morning Session) Time: 10:00 am to 12:00 am	Training Schedule (Evening Session) Time: 2:00 pm to 4:00 pm
Demo on Micro suturing, High speed drilling, Neuro-endo-trainer		
1 th Day	Micro Suturing, 4-0 Silk Magnification Factor = 0.4 Magnification = 2.83	Micro Suturing, 4-0 Silk Magnification Factor = 0.4 Magnification = 2.83
2 nd Day	Micro Suturing, 4-0 Ethilon Magnification Factor = 0.6 Magnification = 4.25	Micro Suturing, 4-0 Ethilon Magnification Factor = 0.6 Magnification = 4.25
3 rd Day	Basic Drilling (1) Sheep head, scapula, Egg shell drilling	Micro Suturing, 5-0 Silk Magnification Factor = 0.6 Magnification = 4.25
4 th Day	Micro Suturing, 5-0 Silk Magnification Factor = 0.6 Magnification = 4.25	Micro Suturing, 5-0 Ethilon Magnification Factor = 1.0 Magnification = 7.08
5 th Day	Basic Endoscopy (1) 0, 30, 45, Degree Scopes Capsicum & Papaya Head and FESS model	Micro Suturing, 5-0 Ethilon Magnification Factor = 1.0 Magnification = 7.08
6 th Day	Micro Suturing, 7-0 Prolene Magnification Factor = 1.0 Magnification = 7.08	Micro Suturing, 7-0 Prolene Magnification Factor = 1.0 Magnification = 7.08
7 th Day	Advanced Drilling - 1 Microscopic Magnification Factor = 0.4, 0.6 Magnification = 2.83, 4.25	Micro Suturing, 7-0 Prolene Magnification Factor = 1.6 Magnification = 11.33
8 th Day	Advanced Endoscopy (1) 0, 30, 45 Degree Scopes NETS- Neuro-Endo-Trainer	Micro Suturing, 7-0 Prolene Magnification Factor = 1.6 Magnification = 11.33
9 th Day	Micro Suturing, 7-0 Prolene Magnification Factor = 1.6 Magnification = 11.33	Micro Suturing, 9-0 Nylon Magnification Factor = 1.6 Magnification = 11.33
10 th Day	Advanced Drilling - 2 Microscopic Magnification Factor = 0.4, 0.6 Magnification = 2.83, 4.25	Micro Suturing 9-0 Nylon Magnification Factor = 1.6 Magnification = 11.33
11 th Day	Micro Suturing 9-0 Nylon Magnification Factor = 1.6 Magnification = 11.33	Micro Suturing 9-0 Nylon Magnification Factor = 2.5 Magnification = 17.71
12 th Day	Micro Suturing 9-0 Nylon Magnification Factor = 2.5 Magnification = 17.71	Micro Suturing 9-0 Nylon Magnification Factor = 2.5 Magnification = 17.71

13 th Day	Advanced Endoscopy (2) 0, 30, 45 Degree Scopes NETS- Neuro-Endo-Trainer	Micro Suturing, 10-0 Nylon Magnification Factor = 1.6 Magnification = 11.33
14 th Day	Micro Suturing, 10-0 Nylon Magnification Factor = 1.6 Magnification = 11.33	Micro Suturing, 10-0 Nylon Magnification Factor = 1.6 Magnification = 11.33
15 th day	Advanced Endoscopy (3) 0, 30, 45 Degree Scopes NETS- Neuro-Endo-Trainer	Micro Suturing, 10-0 Nylon Magnification Factor = 2.5 Magnification = 17.71
16 th Day	Advanced Drilling - 3 Microscopic Magnification Factor = 0.4, 0.6 Magnification = 2.83, 4.25	Micro Suturing, 10-0 Nylon Magnification Factor = 2.5 Magnification = 17.71
17 th Day	Synthetic Vessel Anastomosis (DEMO) Magnification Factor = 1.0, 1.6 Magnification = 7.08, 11.33	Sciatic Nerve Anastomosis (Rat) Magnification Factor = 1.6, 2.5 Magnification = 11.33, 17.71
18 th Day	Sciatic Nerve Anastomosis (Rat) Magnification Factor = 1.6, 2.5 Magnification = 11.33, 17.71	Synthetic Vessel Anastomosis (DEMO) Magnification Factor = 1.6, 2.5 Magnification = 11.33, 17.71
19 th Day	Micro Suturing, 10-0 Nylon Magnification Factor = 2.5 Magnification = 17.71	Femoral Artery Anastomosis Magnification Factor = 1.6, 2.5 Magnification = 11.33, 17.71
20 th Day	Micro Suturing, 10-0 Nylon Magnification Factor = 2.5 Magnification = 17.71	Femoral Artery Anastomosis Magnification Factor = 1.6, 2.5 Magnification = 11.33, 17.71
Demo on (free days) Cadaver dissection, 3D Microscope -skull base, 3D Endoscope-skull base, Spine Instrumentation		