

**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**

Dr. Name: -

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

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

<b>Training Timing</b>	
<b>Monday To Friday</b>	<b>10:00 AM To 5:00 PM</b>
<b>Saturday</b>	<b>10:00 AM To 1:00PM</b>
<b>Sunday</b>	<b>Close</b>