## Short-term Neurosurgery Skills Training Program

**Neurosurgery Education and Training School**  
**Department of Neurosurgery**  
**All India Institute of Medical Sciences, New Delhi, India**

**Short-Term Neurosurgery Simulation Skills Training**  
**2 Weeks Program**

Dr. Name: -

<table>
<thead>
<tr>
<th>Lab. Day</th>
<th>Training Schedule (Morning Session)</th>
<th>Training Schedule (Evening Session)</th>
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</thead>
<tbody>
<tr>
<td></td>
<td><strong>Time:</strong> 10:00 am to 12:00 noon</td>
<td><strong>Time:</strong> 2:00 pm to 4:00 pm</td>
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<tr>
<td><strong>Demo on Micro suturing, High speed drilling, Neuro-end-trainer</strong></td>
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| 1\(^{st}\) Day | Micro Suturing, 4-0 PDS  
Magnification Factor = 0.4  
Magnification = 2.83 | Micro Suturing, 4-0 Silk  
Magnification Factor = 0.6  
Magnification = 4.25 |
| 2\(^{nd}\) Day | Micro Suturing, 5-0 Ethilon/Monocryl  
Magnification Factor = 0.6  
Magnification = 4.25 | Micro Suturing, 5-0 Silk  
Magnification Factor = 1.0  
Magnification = 7.08 |
| 3\(^{rd}\) Day | **Basic Drilling -1**  
Sheep head, scapula,  
Egg shell drilling | Micro Suturing, 8-0 Prolene/Ethilon  
Magnification Factor = 1.0  
Magnification = 7.08 |
| 4\(^{th}\) Day | Micro Suturing, 8-0 Prolene/Ethilon  
Magnification Factor = 1.6  
Magnification = 11.33 | **Basic Endoscopy 1**  
0, 30, 45 degree Scopes  
Capsicum and Papaya,  
Head and FESS Model |
| 5\(^{th}\) Day | **Advanced Drilling -1**  
Microscopic  
Magnification Factor = 0.4, 0.6  
Magnification = 2.83, 4.25 | Micro Suturing, 8-0 Prolene/Ethilon  
Magnification Factor = 2.5  
Magnification = 17.71 |
| 6\(^{th}\) Day | **Advanced Endoscopy -1**  
0, 30, 45 Degree Scopes  
NETS- Neuro-end-trainer | Micro Suturing, 10-0 Nylon  
Magnification Factor = 1.6  
Magnification = 11.33 |
| 7\(^{th}\) Day | Micro Suturing, 10-0 Nylon  
Magnification Factor = 1.6  
Magnification = 11.33 | Micro Suturing, 10-0 Nylon  
Magnification Factor = 2.5  
Magnification = 17.71 |
| 8\(^{th}\) Day | **Advanced Drilling -2**  
Microscopic  
Magnification Factor = 0.4, 0.6  
Magnification = 2.83, 4.25 | Micro Suturing, 10-0 Nylon  
Magnification Factor = 2.5  
Magnification = 17.71 |
| 9\(^{th}\) Day | Synthetic Vessel Anastomosis (DEMO)  
Magnification Factor = 1.6, 2.5  
Magnification = 11.33, 17.71 | Sciatic Nerve Anastomosis (Rat)  
Magnification Factor = 1.6, 2.5  
Magnification = 11.33, 17.71 |
| 10\(^{th}\) Day | **Advanced Endoscopy -2**  
0, 30, 45 Degree Scopes  
NETS- Neuro-end-trainer | Femoral Artery Anastomosis (Rat)  
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**

### Training Timing

<table>
<thead>
<tr>
<th>Days</th>
<th>Time</th>
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<tbody>
<tr>
<td>Monday To Friday</td>
<td>10:00 AM To 5:00 PM</td>
</tr>
<tr>
<td>Saturday</td>
<td>10:00 AM To 1:00PM</td>
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<tr>
<td>Sunday</td>
<td>Closed</td>
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