### Forearm Nailing Principles

1. Nail selection
- 10 to 15mm

2. Insertion, Progression and Impaction of Radial Nail Tip
- Not applicable, entry is mid-shaft
- 4.0
- 2 to 3 months

3. Open Approach
- For bigger-boned or
- 4 to 6 months

### Cortical Opening for Radial Nail

- **Nail selection**
  - 10 to 15mm
- **Insertion, Progression and Impaction of Radial Nail Tip**
  - Not applicable, entry is mid-shaft
- **Distance between Cortical hole and physis**
  - Proximal tibia
  - Distal femur
  - Radial neck
  - Supra condylar humerus
  - Proximal humerus

### Cortical Opening for Ulnar Nail

1. **Nail selection**
- 20 to 30mm
- 1.75 to 2.25
- R

2. **Insertion, Progression and Impaction of Ulnar Nail Tip**
- Not applicable, entry is mid-shaft
- 4.0
- 2 to 3 months

### Crossing the Fracture Site: Ulnar Nail

- **Cortical Opening for Ulnar Nail**
- 2 or 1
- 1.5
- 20 to 30mm

### Impacting the Nail Tips

- **Distance between Cortical hole and physis**
  - Diaphyseal or Metaphyseal

### Guide to Nail Selection

<table>
<thead>
<tr>
<th>Fracture Location</th>
<th>Nail Diameter</th>
<th>Nail selection</th>
<th>Technique</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distal radius</td>
<td>2.5</td>
<td>20 to 30mm</td>
<td>6</td>
</tr>
<tr>
<td>Distal ulna</td>
<td>2.5</td>
<td>20 to 30mm</td>
<td>6</td>
</tr>
<tr>
<td>Proximal humerus</td>
<td>3.0</td>
<td>20 to 40mm</td>
<td>6</td>
</tr>
<tr>
<td>Proximal tibia</td>
<td>3.0</td>
<td>20 to 40mm</td>
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</tr>
</tbody>
</table>

**Note:** This chart serves only as a guide and does not replace the surgeon's responsibility of selecting the appropriate implant, material and diameter specific to the case and according to his or her clinical judgment.

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*Courtesy of Professor Pierre Lascombes, Head of Department of Pediatric Orthopedic Surgery, University Hospital of Nancy, France.*

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**Important:** AVOID HAMMERING DURING NAIL PROGRESSION

**Caution:** Do not use the hammer for this step.