Regional Anesthesia In Otolaryngology

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Advantages of Local Anesthesia

- The patient is conscious during surgery.
- Smooth postoperative course.
- Patient awake and maintains his own airway.
- Less pain needs less narcotics, lighter anesthesia in general cases.
- Less nursing care after procedures, less admissions.
- Less expensive
Disadvantages of Local Anesthesia

• The patient may prefer to be asleep
• Specialized skill necessary.
• Some blocks require up to 30 minutes to be fully effective.
• Analgesia may not always be totally effective, and general anesthesia may be required anyway.
Disadvantages of Local Anesthesia

• Generalized toxicity may occur if local anesthetic drugs are given intravenously by mistake or an overdose is given.
• Widespread sympathetic blockade can result in hypotension.
• There is a small but definite incidence of prolonged nerve damage.
**Local Anesthetics**

<table>
<thead>
<tr>
<th>Agent</th>
<th>Dose:</th>
<th>Onset/Duration:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lidocaine with epi (1 or 2%)</td>
<td>7mg/kg</td>
<td>Fast/medium</td>
</tr>
<tr>
<td>Lidocaine without epi</td>
<td>4.5mg/kg</td>
<td>Fast/short</td>
</tr>
<tr>
<td>Mepivacaine without epi (3%)</td>
<td>5.5mg/kg</td>
<td>Fast/short</td>
</tr>
<tr>
<td>Bupivacaine with epi (0.5%)</td>
<td>1.3mg/kg</td>
<td>Long/long</td>
</tr>
<tr>
<td>Articaine with epi (4.0%)</td>
<td>7mg/kg</td>
<td>Fast/medium</td>
</tr>
</tbody>
</table>

*ADULT DOSES IN PATIENTS WITHOUT CARDIAC HISTORY*
Scalp Blocks

Image: Diagram showing two types of scalp block techniques:
- Entire scalp block technique
- Limited procedures technique
Scalp Blocks
Scalp Blocks
Scalp Blocks
Scalp Blocks
Trigeminal Nerve Blocks
Gasserian Ganglion Block

[Diagram showing the Gasserian ganglion and surrounding anatomical structures]
Mandibular Nerve Blocks
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Mandibular Nerve Blocks
Mandibular Nerve Blocks
Mandibular Nerve Blocks
Inferior Alveolar Nerve Block
Inferior Alveolar Nerve Block
Inferior Alveolar Nerve Block
Inferior Alveolar Nerve Block
Inferior Alveolar Nerve Block
Inferior Alveolar Nerve Block
Mental Nerve Block
Mental Nerve Block
Mental Nerve Block
Maxillary Nerve Blocks
Maxillary Nerve Blocks
Maxillary Nerve Blocks
Maxillary Nerve Blocks
Maxillary Nerve Blocks
Maxillary Nerve Blocks
Local Blocks
Supraorbital Nerve Blocks
Supratrochlear Nerve Blocks
Infraorbital Nerve Blocks
Nasociliary and Anterior Ethmoidal Nerve Blocks
Local Blocks for Nasal Surgery
Maxillary Nerve Blocks
Local Blocks for Nasal Surgery
Local Ear Blocks
Local Ear Blocks

Fig. 22
1. Posterior auricularis m.
2. Lesser occipital n.
3. Great auricular n.
4. Sternocleidomastoid m.
Local Ear Blocks
Local Ear Blocks

Fig. 24
1. Auriculotemporal n.
2. Tympanic branch of the auriculotemporal n.
Local Ear Blocks
Cervical Blocks
Cervical Blocks
Cervical Blocks
Cervical Blocks
Cervical Blocks
Cervical Blocks
Cervical Blocks
Spinal Accessory Nerve Block
Glossopharyngeal Nerve Block
Glossopharyngeal Nerve Block
Glossopharyngeal Nerve Block
Glossopharyngeal Nerve Block
Airway and Laryngeal Blocks
Laryngeal Anesthesia
Laryngeal Anesthesia
Laryngeal Anesthesia
Laryngeal Anesthesia
Laryngeal Anesthesia
Laryngeal Anesthesia
Laryngeal Anesthesia
Laryngeal Anesthesia
Laryngeal Anesthesia
Laryngeal Anesthesia
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