

# Anesthetics in dentistry, complications after application

## anaesthetics in dentistry complications after application

### Complications:

There are enormous differences in individual response to a standard dose of local anesthetics both in speed of onset, duration of action and the depth. Causes of failure include: - poor technique and inadequate volume of anesthetic - injection into a muscle - injection into an infected area - intravascular injection of no analgesic benefit - dense compact bone can prevent a property of given infiltration from working

### Causes of pain on administration of injection:

Touching the nerve when giving blocks resulting in “electric shock” sensation and followed by rapid analgesia

1. Lacerated artery: followed by an area of ischaemia in the region supplied or pulpal haematoma but IS RARE.
2. Lacerated vein – followed by a haematoma which resolves fairly quickly
3. Facial palsy – caused by incorrect distal placement of the needle tip allowing anesthetic to penetrate parotid gland
4. Lip and cheek trauma: tell patients to avoid smoking, drinking hot liquids, biting lip or cheek can lead to traumatized mucosa

MITCHELL, Laura. *Oxford Handbook of Clinical Dentistry*. 5. edition. 2009. ISBN 9780199553303.