

**FP 14: Cyanoacrylate utilization for facial nerve repair after iatrogenic injury post-mastoidectomy: a case report**

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**Abstract:**

Facial paralysis from an iatrogenic facial nerve injury is one of the dreaded complications of surgery for chronic otitis media. Suturing for the repair of facial nerve is the gold standard procedure. Several studies documented cyanoacrylate, a tissue adhesive, as an alternative. It offers the advantage of ease of use and less nerve tissue trauma in approximation leading to favorable regeneration. However, its use was only confined to peripheral nerves of limbs. We report a case of a 62 year old female who sustained a right facial injury after mastoidectomy on the right ear. Facial nerve neurotomy was done using a greater auricular nerve graft bonded with cyanoacrylate (Histo-acryl® - n-2-butyl-cyanoacrylate) glue. Regeneration was documented with electromyography as evidenced by tracings demonstrating reinnervation of right nasalis and orbicularis oris muscles.