If multiple cranial nerve resections for the cranial nerves that have been damaged during surgery, orthotopic reconstruction using a combination of neurosurgical and rhinological techniques has been used at the Royal National Throat Nose and Ear Hospital, London.

Not surprisingly, those with lesser amounts of invasion and nonsquamous carcinomas did best.

MANAGEMENT OF THE Cavernous Sinus

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The first type is due to the development of neural connections during a critical period after birth. The second type results from a change in the responsiveness of neurones in the mature animal after neural connectivity has already been established. Developmental plasticity is important for cochlear implantation in children and adult plasticity for implantation in older children as well as adults. Plasticity in children is being studied with electrical stimulation and it has been shown that there is a critical period for speech perception. Speech perception is significantly better the younger the child. Further support for developmental plasticity is the fact that children with some residual hearing obtain better speech perception results than those without residual hearing. This study carried out in Melbourne suggests that some prior experience during the critical period leads to a more normal neural connectivity which can be better utilized with electrical stimulation from a cochlear implant.
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