

# **FACIAL NERVE AND ITS DISORDERS**



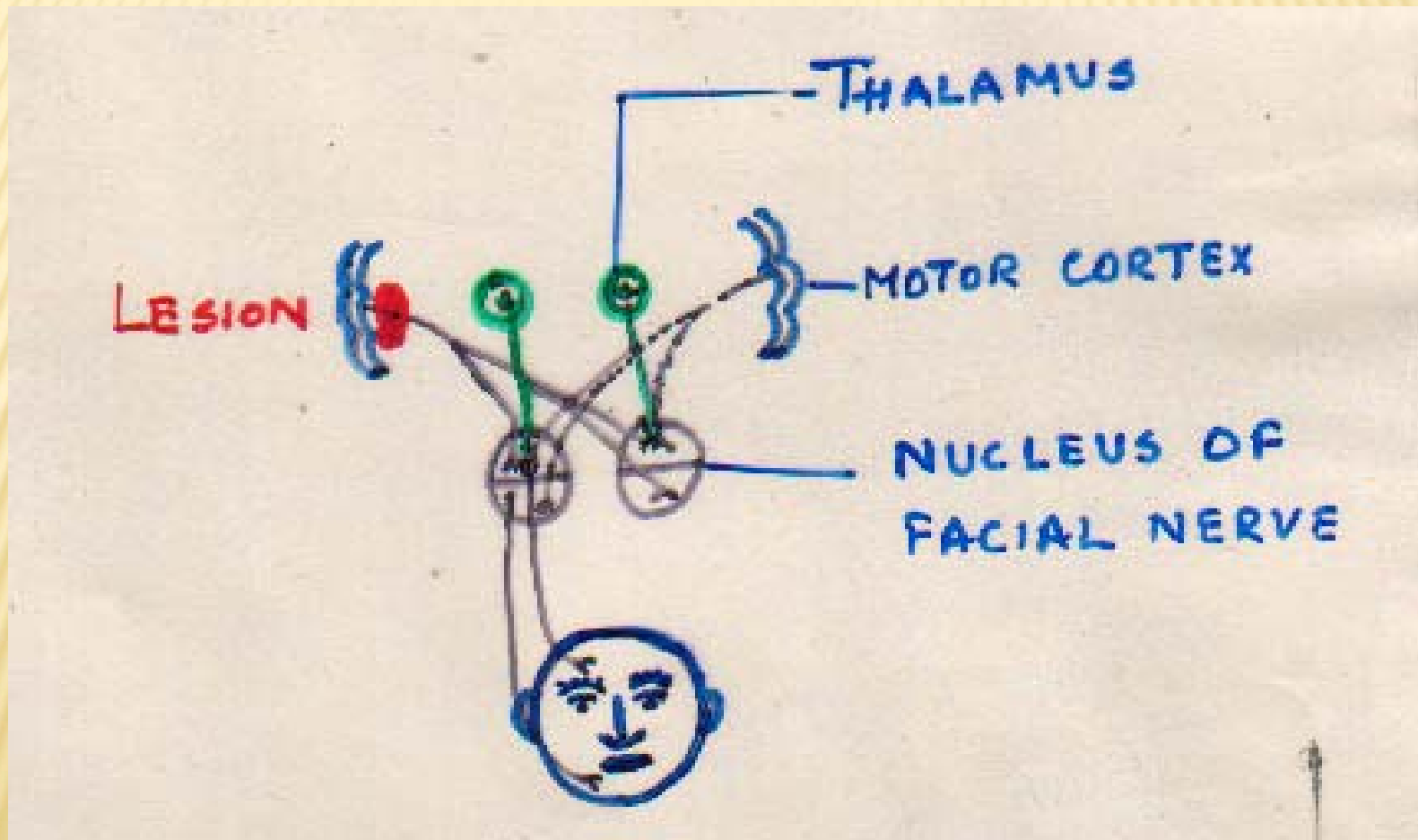
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# FACIAL NERVE

- **Motor**
- **Sensory**
- **Secreto motor fibres**

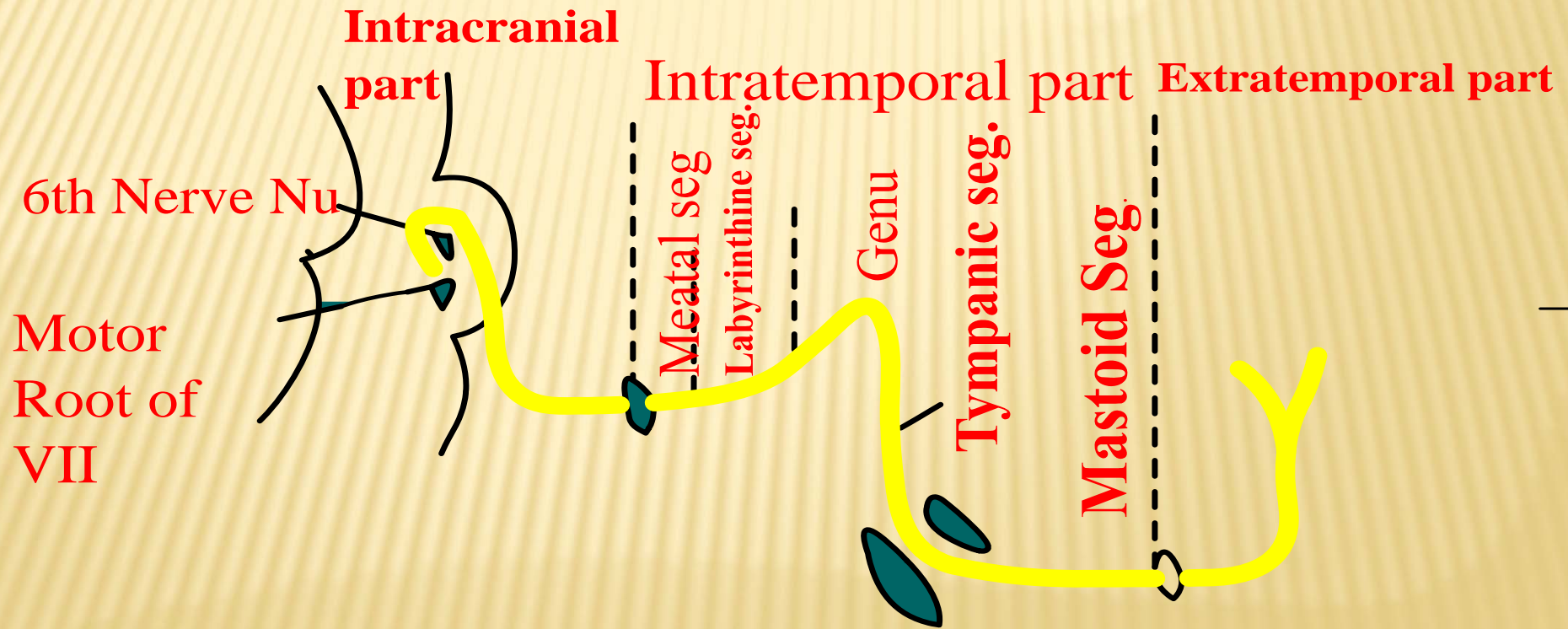


# NUCLEUS OF FACIAL NERVE



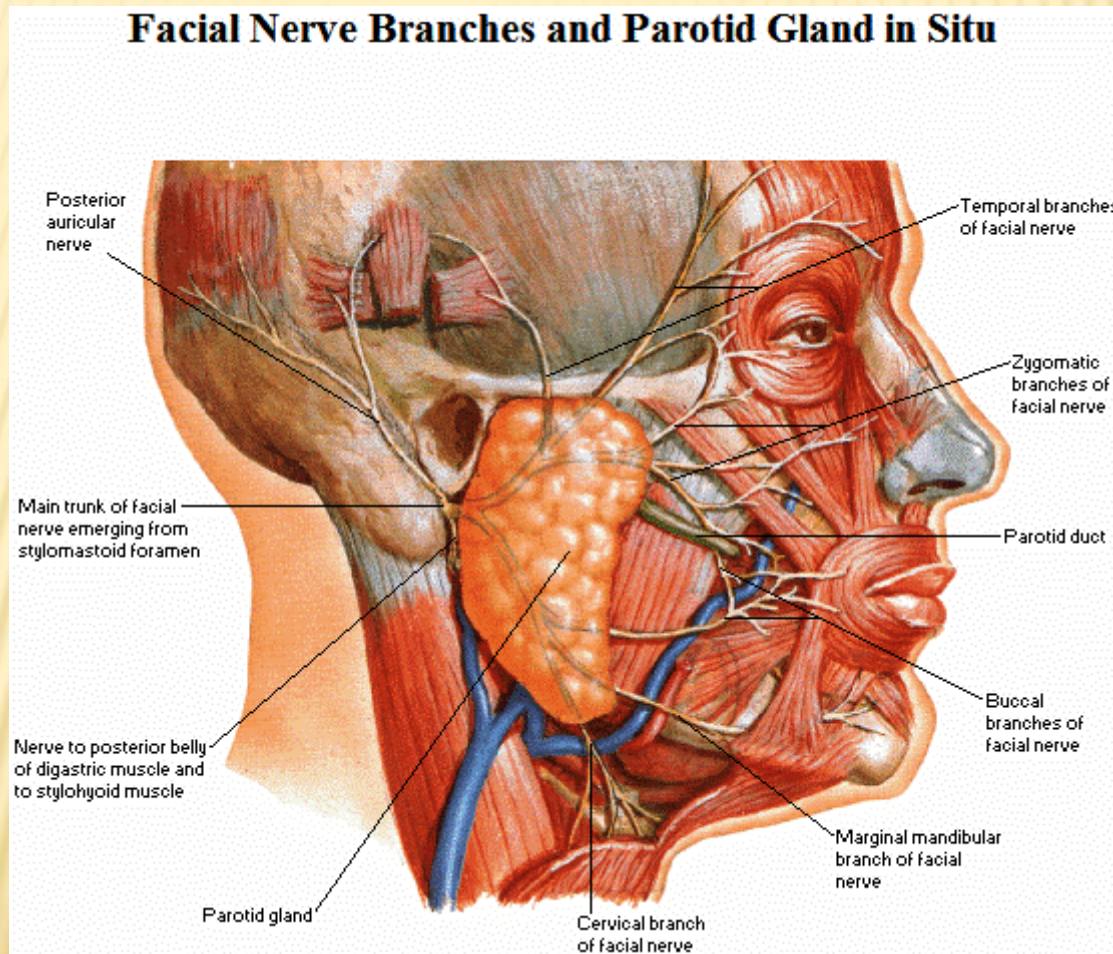


# COURSE OF FACIAL NERVE



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**Facial Nerve Branches and Parotid Gland in Situ**





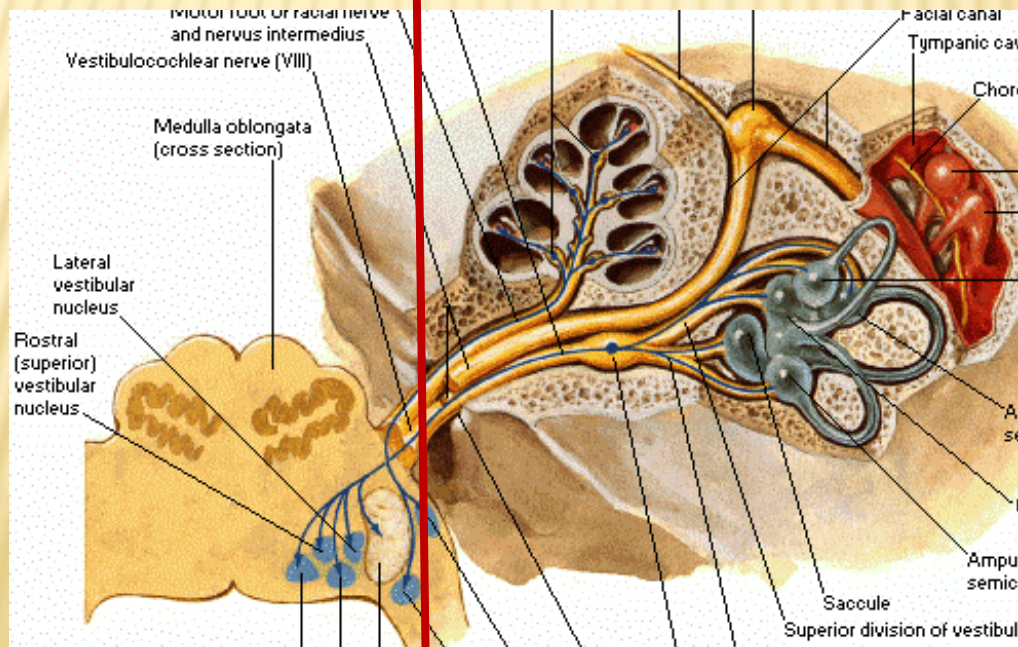
# CAUSES OF FACIAL NERVE PALSY

**CENTRAL**

**INTRACRANIAL PART**

**PERIPHERAL**  
**INTRATEMPORAL PART**

**EXTRACRANIAL PART**



# INTRA TEMPORAL PART

**Congenital**

**Traumatic**

- **Surgical**
  - Mastoidectomy
  - Stapedectomy
- **Accidental**
  - # of Temporal bone





# INTRA TEMPORAL PART

## Inflammatory

- Acute suppurative otitis media
- Chronic suppurative otitis media
- Herpes zoster oticus
- Malignant otitis externa

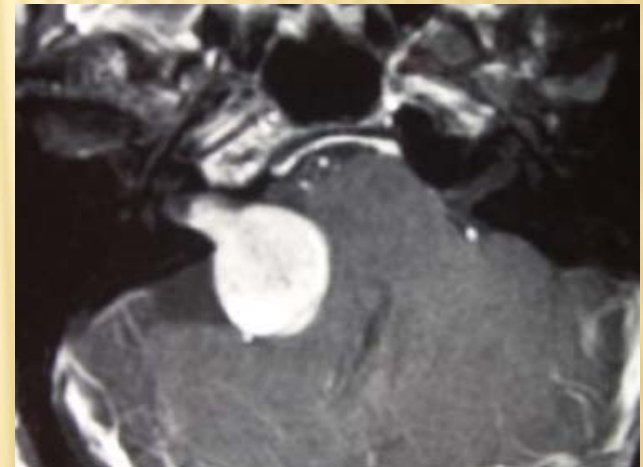




# INTRA TEMPORAL PART

## Neoplasms

- **Glomus jugulare**
- **Facial Nerve neuroma**
- **Malignant lesions of temporal bone**
- **Metastasis**



# INTRA TEMPORAL PART

## Idiopathic

- Bells Palsy





# EXTRA TEMPORAL PART

- **Traumatic**

- **Surgical**

- Parotidectomy

- **Accidental**

- RSA

- **Inflammatory**

- **Neoplastic**

- **Benign**

- **Malignant**



# BELL'S PALSY

It is defined as idiopathic, acute in onset, lower motor neuron type, self limiting, not dangerous to life, occur in any sex and age.





# **AETIOLOGY**

- **Viral infection**
- **Vascular ischaemia**
- **Hereditary**
- **Auto Immune disorder**

# CLINICAL FEATURES

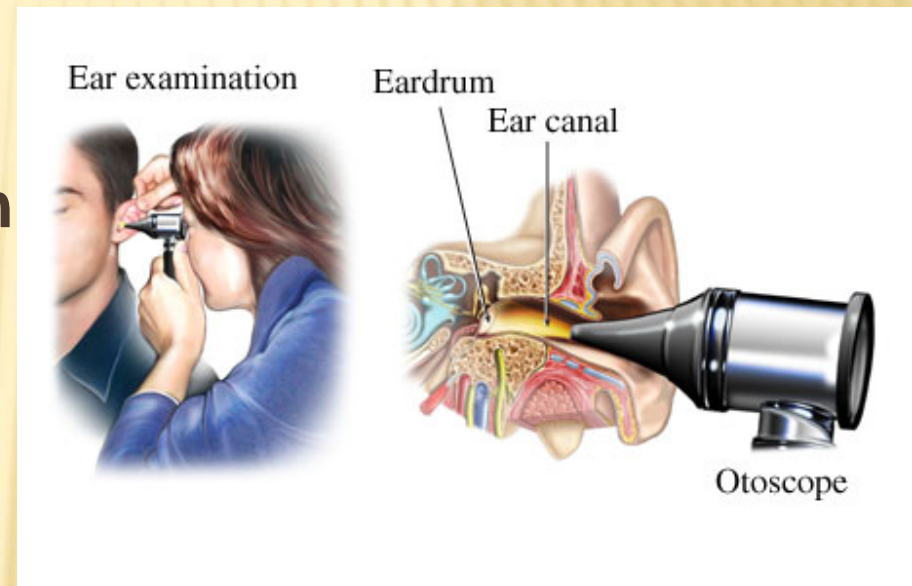
- Sudden in onset
- Unable to close eye
- Deviation of angle of mouth
- Epiphora
- Pain in or around the ear
- Fever
- Loss of taste





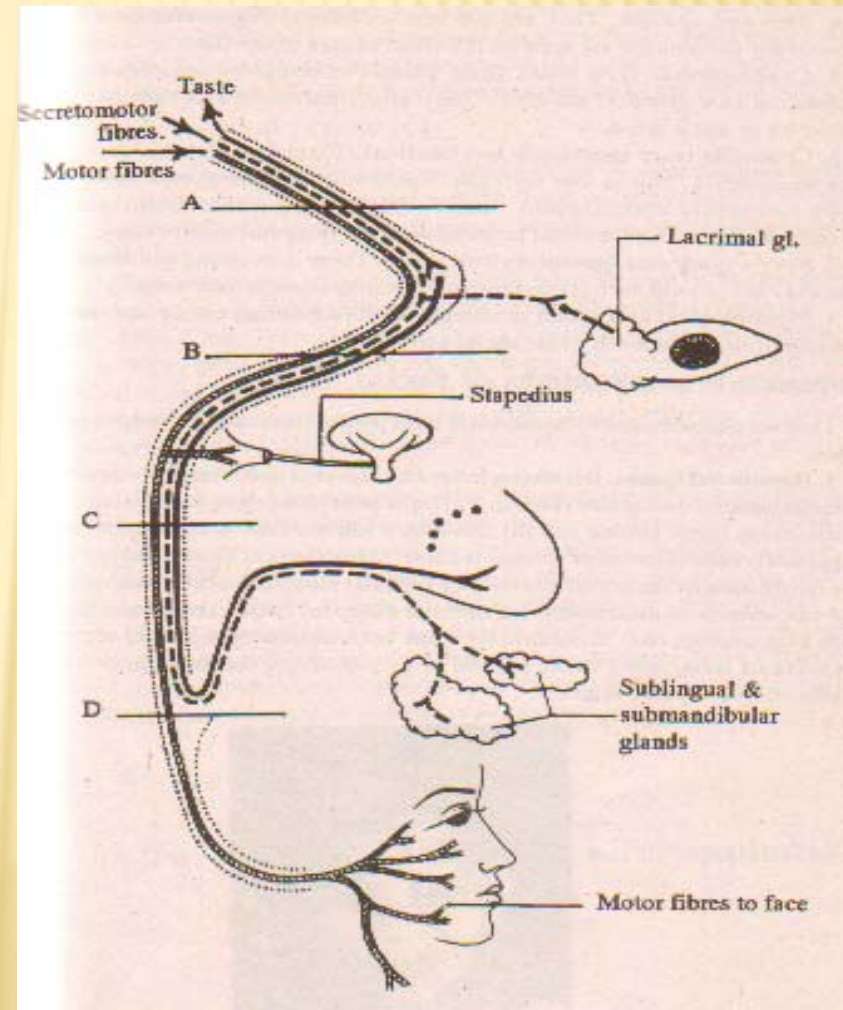
# DIAGNOSIS

- Careful history
- Otological examination
- Head and Neck examination
- Hematological tests
- Radiological tests
- Blood sugar
- Topo diagnostic tests



# TOPODIAGNOSTIC TESTS

- Schirmer's test
- Stapedial reflex
- Taste test
- Submandibular salivary flow test





# TREATMENT

## General

- Reassurance
- Analgesics
- Care of eye
- Physiotherapy



# TREATMENT

## Medical Rx

- Steroids
- Vasodilators

## Surgical Rx

- Decompression



# PROGNOSIS

- **85-90%**  
**Complete recovery**
- **10-15%**  
**Incomplete recovery**



**Melkersson Syndrome**

**Ramsay Hunt Syndrome**

***THANK YOU!!!***

















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