45-year-old male presenting with a smooth, painless, enlarging facial mass

Andrew Klufas, MD, MBA
Leo Wolansky, MD
MR T1 + Gad
MR T1 + Gad
Parotid Pleomorphic Adenoma
T1 hypointense
T2 hyperintense
Homogenously enhancing left parotid mass
Parotid Pleomorphic Adenoma

Clinical Presentation
- Often benign and asymptomatic, with patients incidentally noting a smooth, painless, enlarging mass.

Location
- Parotid Gland (84%)
- Submandibular Gland (8%)
- Minor Salivary Glands (6.5%)
- Sublingual Glands (0.5%)

Differential Diagnosis
- Warthin tumor
- Non-Hodgkin Lymphoma
- Adenoid Cystic Carcinoma
- Mucoepidermoid Carcinoma
- Parotid Nodal Metastasis
Imaging Findings

Ultrasound
- Typically hypoechoic, with posterior acoustic enhancement

CT
- Homogenous attenuation and prominent enhancement with smaller lesions
- Heterogenous appearance and less prominent enhancement with larger lesions

MRI
- T1: Usually low intensity
- T1 + Gad: Homogenous enhancement
- T2: High intensity with low intensity peripheral rim representing a fibrous capsule
References


