TONGUE FASCICULATIONS

PHYSIOLOGICAL CAUSES

CAFFIENE;
EXHAUSTIVE PHYSICAL ACTIVITY AND FATIGUE;
BENIGN FASCULATIONS;
CRAMP FASCICULATION SYNDROME

PATHOLOGICAL CAUSES

NEURODEGENERATIVE CONDITIONS

Amyotrophic Lateral Sclerosis;
Isolated Bulbar ALS ;
Spinobulbar Muscular atrophy;
Spinomuscular Atrophy (SMA 1, 2);
Spinocerebellar Ataxia 3;

HYPOGLOSSAL NERVE LESIONS

NUCLEAR AND INFRANUCLEAR

- Idiopathic Isolated Hypoglossal Nerve Palsy
- Congenital- Chiari Malformation
- Meningioma, glioma
- Vascular - infarction, hemorrhage
- Syringobulbia, abscess
- Skull base - Inflammatory, neoplastic or Traumatic (occipital condyle fracture) lesions of occipital condyle; vertical subluxation of odontoid process
- Extracranial – carotid aneurysms, cranial irradiation, neoplasms of neck, tongue base or salivary glands

METABOLIC CAUSES

Osmotic Demyelination Syndrome;
Pompe's Disease;
Magnesium deficiency

DRUGS/TOXINS AND INFECTIOUS CAUSES

Polio; Syphilis;
Organophosphate poisoning;
Benzodiazepine withdrawal; long term exposure to toluene, methanol

MISCELLANEOUS

Anti MuSK positive Myasthenia Gravis;
Transthyretin Familial Amyloid Neuropathy

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