

BPST Point in Tympanic Membrane: Point of Intra-tympanic PRP Instillation

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Abstract

Intra-tympanic instillation of drugs to middle ear can be done in many ear diseases such as sudden sensorineural hearing loss, Meniere's disease. The significance of BPST point is, through this point we can reach to round window niche. It's the surface anatomy of round window niche.

Keywords: BPST Point; Intra-tympanic; PRP

Instillation of drugs to middle ear is called intra-tympanic. It can be used for many therapeutic purposes such as intra-tympanic instillation of steroid, gentamycin, and lignocaine, and plasma. It's used in diseases such as sudden SNHL, Meniere's disease, tinnitus. BPST point is the point of intersection of origin of chorda tympani from facial nerve in facial canal and insertion of posterior malleolar fold to annulus of tympanic membrane. BPST point lies 2 mm anterior to this point of intersection. It's the surface anatomy of round window niche. Through this point we can directly reached to round window [1-7].

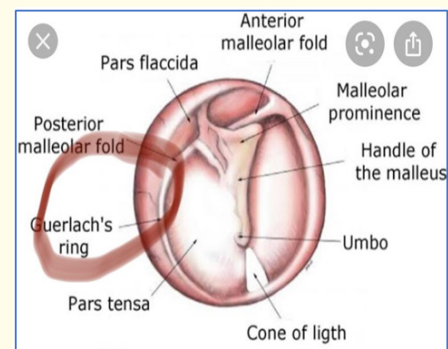


Figure 2: BPST Point.

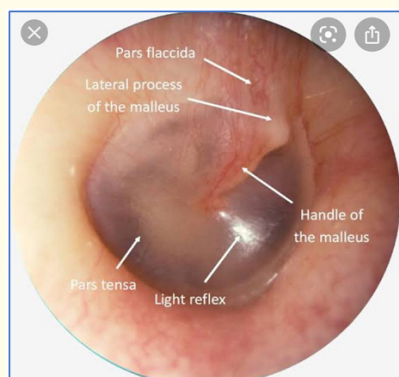


Figure 1: Anatomy of TM.

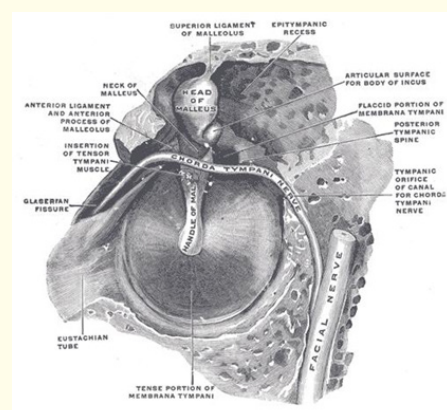


Figure 3: Detailed Anatomy.

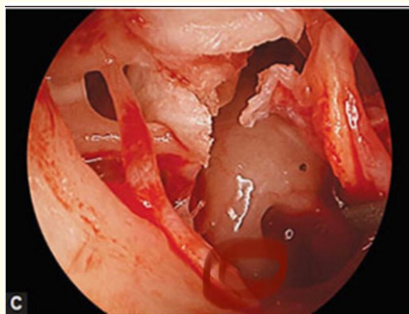


Figure 4: Endoscopic landmark of BPST point.

Conclusion

BPST Point is the landmark and surface marking of round window in pars tensa part of tympanic membrane. Intra tympanic drug instillation can be done through this point. If we insert a needle in pars tensa part of tympanic membrane just anterior to BPST point we will be in Round window niche. This point will help to inject steroids and platelets rich plasma for sensory neural hearing loss.

Conflict of Interest

None.

Funding

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