The Papillae.

1. The mucosa has numerous minute lingual papillae: • (1) the filiform papillae, the narrowest and most numerous; Filiform Papillae • = plush of tongue • Parallel rows • Primary columnar elevation of lamina propria • 5 – 30 tall secondary papillae • Epithelium over papillae – end in tapered points • Hard & scaly (not cornified) • FILIFORM PAPILLAE OF THE TONGUE Stained with H&E • 1 - epithelium covering papilla (stratified squamous keratinizing) 2 - keratinized layer of the epithelium 3 - core of the papilla (lamina propria of the mucosa of dorsal surface of the tongue) 4 - tongue muscles

2. (2) Fungiform Papillae the fungiform papillae, with rounded heads and containing taste buds Knob-like Scattered, single, among filiform papillae Larger & fewer than filiform papillae Narrow stalk, rounded top Size: 1.8 mm. high; 1 mm. Has 1 to several taste buds Fungiform Papillae Stained with H&E 1 - epithelium covering papilla (stratified squamous nonkeratinizing) 2 - core of the papilla (lamina propria of the mucosa of dorsal surface of the tongue) 3 - taste buds.