



Incidence of sinonasal anatomical variations associated with chronic sinusitis by CT scan in Karaikal, South India

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Abstract

Background: Variations in sinonasal anatomy of adults are common and vary among different populations. Their role in development of pathological conditions such as sinusitis, epistaxis, etc is debated. Having clear picture of sinonasal anatomy of a person is essential in avoidance of complications during surgery. This study was done to analyze sinonasal anatomy in adults from Karaikal region having chronic sinusitis by nasal endoscopy and CT scan imaging.

Methods: A total of 50 patients undergoing endoscopic sinus surgery were studied by preoperative nasal endoscopy, CT scanning and endoscopy at the time of definitive surgery and variations recorded and analyzed.

Results: The incidence of the sinonasal anatomical variations in CT scan study were – discharge in the frontal sinus (100%), agger nasi cells (96%), deviated nasal septum (70%), anterior ethmoidal cells (86%), posterior ethmoidal cells (58%), sinus lateralis (52%), frontal cells (50%), discharge in sphenoid sinus (50%), pneumatized superior turbinate (46%), INSA (34%), prominent bulla ethmoidalis (30%), supra orbital cells (26%), pneumatized septum (16%), medialised uncinate process (16%), paradoxical middle turbinate (16%).



Biography:

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Publication :

1. Clinopathological study of tumours of maxilla
2. Incidence of sinonasal anatomical variations associated with chronic sinusitis by CT scan in Karaikal, South India
3. Comparison of lipid peroxidation product and enzymatic antioxidants in newly diagnosed pulmonary tuberculosis patients with and without human deficiency virus infection

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