



# The Relationship between the Elongated Styloid Process and Atheroma on Panoramic Radiography and Systemic Osteoporosis and Osteopenia

Chloé Volkov\*

Department of Oral Medicine and Periodontology, First Moscow State Medical University, Russia

## DESCRIPTION

Pathophysiology of cervical supply route analyzation is perplexing and inadequately comprehended. Notwithstanding notable causative and inclining factors, including significant injury and monogenic connective tissue issues, morphological qualities of the styloid cycle have been as of late perceived as a potential gamble factor for cervical interior carotid supply route analyzation. 6 databases were searched to find observational studies that looked at ESP prevalence in panoramic radiograph CBCT examinations using imaging exams and included transversal prevalence studies. In addition, studies involving a particular patient population or symptomatic patients were excluded. Additionally, the Joanna Briggs Institute's quality assessment checklist was utilized. With a significance level of 5%, a meta-analysis and subgroup analyses were carried out by grouping studies according to secondary outcomes. The Reviewing of Proposals Appraisal, Improvement, and Assessment framework was utilized to rate the conviction in the proof.

Relationship between the presence of a prolonged styloid process, vascular calcification (atheroma) and the potential gamble factor for osteoporosis was considered. Presence of a stretched styloid process was viewed as corresponded with foundational osteoporosis and furthermore between lengthened styloid cycle and atheroma. Stylohyoid and stylomandibular ligament calcification may accompany SP elongation, which is an abnormality. An array of symptoms, including a foreign body sensation in the throat, pain when moving the head, vertigo, dysphagia, otalgia, facial pain, headache, tinnitus, and trismus, may be triggered by an elongated styloid process impinging on the nearby neurovascular structures. The stretched styloid process alongside the combination of side effects related with it

alluded to as the Hawks disorder was first portrayed in 1937 by Bird, an otorhinolaryngologist. To confirm the diagnosis of elongated SP and Eagle's syndrome, clinical examination and radiographs are considered important tools. TMDs, tumors of the tongue base, trigeminal and glossopharyngeal neuralgia, migraine, unerupted third molars, myofascial pain, and cervical arthritis are all possible diagnoses of ES. The rate of ESP has an extraordinary changeability in populaces. It occurs in between 4% and 28% of DPTs, with only 4%-10.3% being symptomatic.

A review done among the Brazilian populace utilizing all encompassing pictures has presumed that 43.89% of the review test comprised of a prolonged styloid process. A concentrate on human skulls has shown a styloid cycle of 70 mm and reasoned that a length of beyond what 41 mm could be considered as a stretched styloid process. There is a lack of data on the Sri Lankan population's calcification of the styloid process, including its morphology, prevalence of elongation, and type or pattern, despite its clinical significance. The need to evaluate the styloid process morphometrically in the local population is heightened by the significant population variations and the limited literature that is available. Systemic osteoporosis and elongated styloid process were found to be correlated, as were elongated styloid process and atheroma. This study's method could be used to assess the risk of atheroma and osteopenia/osteoporosis.

## ACKNOWLEDGEMENT

None.

## CONFLICT OF INTEREST

The author's declared that they have no conflict of interest.

<b>Received:</b>	31-May-2023	<b>Manuscript No:</b>	IPOM-23-16595
<b>Editor assigned:</b>	02-June-2023	<b>PreQC No:</b>	IPOM-23-16595 (PQ)
<b>Reviewed:</b>	16-June-2023	<b>QC No:</b>	IPOM-23-16595
<b>Revised:</b>	21-June-2023	<b>Manuscript No:</b>	IPOM-23-16595 (R)
<b>Published:</b>	28-June-2023	<b>DOI:</b>	10.36648/ipom.7.3.26

**Corresponding author** Chloé Volkov, Department of Oral Medicine and Periodontology, First Moscow State Medical University, Russia, E-mail: chlvt767@gmail.com

**Citation** Volkov C (2023) The Relationship between the Elongated Styloid Process and Atheroma on Panoramic Radiography and Systemic Osteoporosis and Osteopenia. *J Ora Med.* 7:26.

**Copyright** © 2023 Volkov C. This is an open-access article distributed under the terms of the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.