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## **Evaluation of Elongated Styloid Process in Normal Adult Population of Sriganaganagar-A Clinic-Radiographic Study**

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### **ABSTRACT:**

**Objective:** To determine the radiographic prevalence, morphology and calcification of elongated styloid protrusion (ESP) by age, sex in the elderly in Sriganaganagar, Rajasthan, and to find the clinical relevance of ESP with limitation of mandibular protrusion motion. **Materials and methods:** 500 patients with daily OPD were randomly selected between the ages of 21 and 70. Take a detailed medical history and make an accurate diagnosis. Panoramic radiography was taken to the patient. Radiographic SP length measurements were made by an observer at regular intervals twice a day, and the mean of the two values was determined. A SP >30 mm in length was considered elongated. ESP morphology and calcification patterns were then analyzed. The data were tabulated and analyzed. **Results:** The mean ESP length was found to be  $34.28 \pm 2.98$  mm with a total elongation of 17%. Out of 1000 SPs examined radiographically, 102 were found to be prolonged. Considering gender and profile, ESP patients are mostly seen in the 61 - 70 age group. Type I elongation patterns are common on both sides and in both sexes. Two male patients out of 85 patients with chronic SP had symptoms, one had bilateral ESP (type I pattern) and the other had unilateral ESP (type II pattern).

**Keywords:** Pseudoarticulation, Stylohyoid complex, Stylalgia, Tonsillar fossa.

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