

Conference Abstract

DAY 1 15th September 2023 (Friday)

ORAL 2

3.30-5.00 pm

Scientific Session 8

A Study on morphology of Suprascapular notch and its clinical significance**Dhanvin B M, Shwetha B, Asha K R**

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Background: Suprascapular notch is present medial to coracoid process on the superior border of scapula. Superior transverse scapular ligament changes this notch into foramen, and suprascapular nerve passes within this foramen. Many variations occur in the shape and formation of suprascapular notch owing to the ossification of the superior transverse scapular ligament. Anatomical knowledge of suprascapular notch is very essential in diagnosis, and management of entrapment neuropathy and surgical interventions around the shoulder joint.

Aim: The aim of the study is to measure the vertical and transverse diameter of the notch and study the shape and classify the suprascapular notch.

Materials and methods: The study will be conducted after obtaining institutional ethical committee clearance. The shapes of suprascapular notch will be analysed and classified based on Rengachary classification. and the vertical and horizontal diameter will be measured using Vernier callipers. The parameters measured will be:

1. Superior transverse diameter : the maximum distance between superior corners of the notch.
 2. Middle transverse diameter : the maximum horizontal distance between the margins of the notch.
 3. Maximum depth: the maximum vertical distance between the deepest point of the notch to imaginary plane between the superior corners of the notch
- The study will require 91 dry human scapulae. Data will be entered in MS-Excel and analysed using IBM SPSS Version 16. Descriptive statistics like mean and standard deviation will be calculated.

Results and Conclusion: Shall be discussed on the day of Presentation.

Keywords: Suprascapular notch, transverse scapular ligament, suprascapular nerve, scapula, suprascapular foramen.