Prevalence of Ossified Superior Transverse Scapular Ligament in South Indian Population

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ABSTRACT

Aim: Objectives of the selected study is to make out the Prevalence of the ossification of superior transverse scapular ligament in dry scapulas in south Indian population.

Materials & Methods: Total number of 200 adult scapulas was selected for this study to find out the ossified superior transverse scapular ligament. Results: Complete ossified superior scapular ligament of scapulas were found 3 out of 200 scapulas and prevalence is 1.5%.

Conclusion: occasionally this abnormal ossification may entrap the supra scapular nerve may produce related symptoms.

Keywords: Superior transverse scapular ligament, ossification, scapula.

INTRODUCTION

Superior transverse scapular ligament bridges over the supra scapular notch of scapula, so it transformed into a supra scapular foramen through which the supra scapular nerve passing through it. Superior transverse scapular ligament which is attached laterally to the root of the coracoids process and medially to the limit of the notch, this ligament is occasionally ossified. [1] Complete ossification of Superior transverse scapular ligament may generate entrapment of supra scapular nerve, which consequences pain in the shoulder region, wasting and weakness of the scapular muscles especially supra and infra spinatus. [2]

MATERIALS & METHODS

The present study was conducted on 200 adult, unknown sexes, dried human scapulas. Scapulas were collected from various medical institutions in south Indian region from Departments of Anatomy, Viswa Bharathi Medical College, Kurnool, Fathima Institute of Medical sciences (FIMS), Kadapa and Rajiv Gandhi Institute of Medical sciences (RIMS), Kadapa, Andhra Pradesh, India. Collected scapulas were carefully observed for ossified superior transverse scapular ligament.

RESULTS

Present study found that, ossified superior transverse scapular ligaments

Srijit Das et al (2007) [12] found the present variation in one scapula in India.

**CONCLUSION**

Complete ossified superior transverse scapular ligament constructs, the bony foramina is the most familiar contributing factor for the compression of supra scapular nerve at the supra scapular notch which develops suprascapular nerve entrapment syndrome. The present study indicates that complete ossification of Superior transverse scapular ligament can arise in south Indian population is 1.5% and further studies are required to determine its prevalence in India.

**REFERENCES**


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