Introduction: The shape of the acromion was first described by Bigliani et al (1) as type I (flat), type II (curved) and type III (hooked). There is an implied association between impingement syndrome of the shoulder and type II and III acromion, because of the reduction of the subacromial space. Objective: to verify by a radiological evaluation the shape of the acromion and a possible relationship to shoulder pain symptoms. Material and Methods: a 27-years-old man, ex-athlete of triathlon, with shoulder pain was submitted to a radiological evaluation of the shape of the acromion of each shoulder by the supraspinatus outlet view incidence (2). Results: the radiological evaluation showed type III acromion bilaterally. Conclusion: these radiological findings should be correlated with symptoms. The reduction of the subacromial space caused by the type III acromion led to the impingement of the subacromial bursa and the supraspinatus tendon, which was aggravated by the excessive hours of training and competition, especially the swimming modality, along 10 years of sport life.


Keywords: Sports Injuries, Anatomical Studies, Shoulder