

# Synovial Cyst In The Back: Case Report

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**Abstract:** The localizations of synovial cysts unrelated to joints are usually occurring on ectopic or synovial metaplasia. Mucoïd cysts are due to mucoïd degeneration of collagen in paratendinous and periarticular tissues. We report the case of a patient 50 years old, who presented left thoracic tumor. Clinical examination is a superficial mobile tumor. Ultrasound confirmed synovial Cyst. We performed a total excision of the tumor. Histological examination found a tumor cystic with mucoïd content and a fibrous wall. The short-term trend (12 months) is good, with no local recurrence.

## 1 INTRODUCTION

The localizations of synovial cysts unrelated to joints are usually occurring on ectopic or synovial metaplasia. Mucoïd cysts are due to mucoïd degeneration of collagen in paratendinous and periarticular tissues. Our study concerns a patient, aged 50 years old who presented a left thoracic tumor. An ultrasound confirmed synovial cyst.

## 2 CASE REPORT:

Our study concerns a patient, aged 50 years old, who presented two years before surgery painless left thoracic tumor, gradually increased in size. At clinical examination is a superficial mobile tumor measuring 10 cm of diameter, and Ultrasound confirmed synovial cyst. We performed a total excision of the tumor. It was cystic well-circumscribed, localized in the latissimus dorsi scapular, adheres to the ribs and interosseous muscles. And it separates from the vertebral joints. Histological examination found a tumor of 60 grams and measured 9x5x3cm. It was cystic with mucoïd content and a fibrous wall.

## 3 DISCUSSION:

The localizations of synovial cysts unrelated to joints are usually occurring on ectopic or synovial metaplasia. Mucoïd cysts are due to mucoïd degeneration of collagen in paratendinous and periarticular tissues. The volume of the cyst in our case was very important compared to the usual cases. The magnetic resonance imaging (MRI) showed the presence of a swelling fluid signal, with hypo signal in T1 and hyper signal in T2. The MRI also allowed to determine the anatomical study of the cyst. The Cystography showed a thick fluid.

## 4 CONCLUSION:

Synovial cysts mucoïd are benign tumors whose surgical treatment is needed if they are symptomatic by their volumes or their localizations.

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**figure 1:** chest radiograph showing the projection of the cyst



**Figure 2:** An ultrasound confirmed synovial cyst.