

## RESEARCH ARTICLE

### AN UNUSUAL PRESENTATION OF EPIDERMOID CYST AS A POSTERIOR MEDIASTINAL MASS IN THE PEDIATRIC AGE GROUP-A CASE REPORT

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#### ARTICLE INFO

##### Article History:

Received 18<sup>th</sup> May, 2023  
Received in revised form  
10<sup>th</sup> June, 2023  
Accepted 26<sup>th</sup> July, 2023  
Published online 15<sup>th</sup> August, 2023

##### Key Words:

Epidermoid cyst, Posterior Mediastinal Mass, Neurogenic cysts.

#### ABSTRACT

An Unusual Presentation Of Epidermoid Cyst As A Posterior Mediastinal Mass In The Pediatric Age Group

## INTRODUCTION

Mediastinal cysts are well defined, round, lined by epithelium, fluid containing lesions<sup>1</sup>. Of all mediastinal tumors, benign cystic lesions are reported to represent the 10-12%. The usual differential diagnosis includes a bronchogenic cyst, esophageal duplication, pleural, pericardial, Thymic cyst. Neurogenic tumors are the most common posterior mediastinal masses in children<sup>2</sup>. Epidermoid cysts are benign, slow growing lesions that may be congenital or acquired<sup>3</sup>. Epidermoid cysts in mediastinum are very rare.

**Case History:** A one year old male presented with cough and fever with repeated history of respiratory tract infections since last 6 months.

**INVESTIGATIONS-**Hb-10gm%, TWBC-9000/cu mm

**X-RAY -** A soft tissue shadow in left upper lobe of lung. (Figure 1).

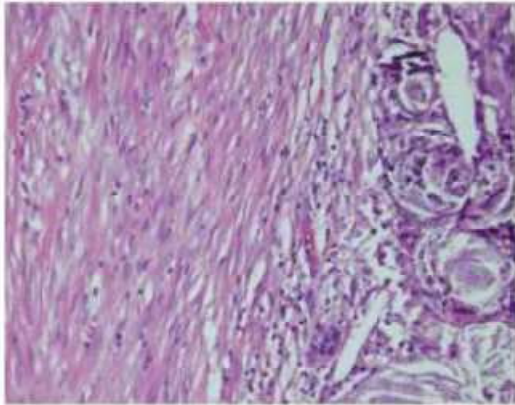
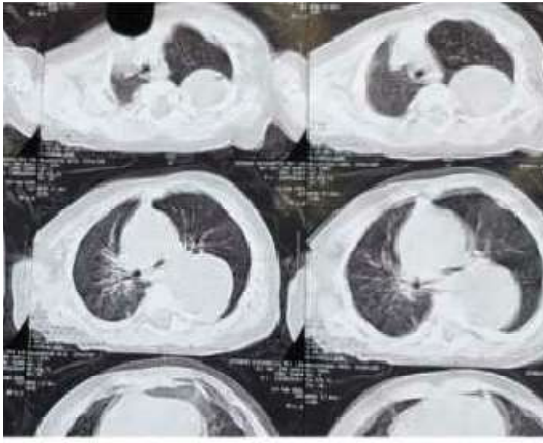
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CT SCAN-A soft tissue lesion(6x5cm) in posterior mediastinum of left paravertebral location (neurogenic tumor likely Schwannoma). (Figure 2)

**MANAGEMENT-**Left posterolateral thoracotomy was done and one cystic mass of size 5 cm diameter was enucleated out in toto and sent for histopathological study. (Figure 3,4)





**HISTOPATHOLOGY**-An encapsulated mass with cystic space surrounded by fibrous wall lined by stratified squamous epithelium, consistent with EPIDERMOID CYST. (Figure 5)

## CONCLUSION

Even though, Epidermoid cysts can be found anywhere (also in spleen, kidney, GI tract<sup>1</sup>, Genitourinary system), Epidermoid cysts as cystic posterior mediastinal mass is a very rare presentation specially in the pediatric age group, Therefore, they should be considered in the differential diagnosis. Keeping this rare presentation in mind can avoid radical surgical options.

## REFERENCES

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**Cash History** A one year old male presented with cough and fever for 7 days with repeated history