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## Rare Occurrence of Primary Chest Wall Bone Tumours

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### ABSTRACT

Primary tumors involving the bony skeleton of the chest wall are uncommon. After a retrospective review of the histopathology archive at our institution from Oct 08 to Mar 09 we found three malignant neoplasms affecting the rib, clavicle and the costal cartilages, one mesenchymal chondrosarcoma, one case of clear cell chondrosarcoma and an aggressive osteoblastoma each having distinctive histological diagnosis. Our limited experience in the occurrence of primary chest wall tumors showed that there are occurrences of rare bony lesions. A strong clinical suspicion, clinico-radiological correlation and histopathological confirmation are required for proper evaluation.

### KEYWORDS

Primary Chest Wall Tumours; Mesenchymal Chondrosarcoma; Clear Cell Chondrosarcoma; Aggressive Osteoblastoma

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### References

- [1] H. Rupprecht, B. M. Spriewald and A. R. Hoffmann, " Successful Removal of Recurrent Giant Chondrosarcoma of the Thoracic Wall in A Patient with Hereditary Multiple Exostoses," *European Journal of Surgical Oncology*, Vol. 27, No. 2, 2001, pp. 216-17. doi:10.1053/ejso.2000.1025
- [2] H. I. Pass, " Primary and Metastatic Chest Wall Tumors," In: J. A. Roth, J. C. Ruckdeschel and T. H. Weisenburger, Eds., *Thoracic Oncology*, WB Saunders, Philadelphia, 1995, pp. 519-537.
- [3] P. K. Hsu, H. S. Hsu, H. C. Lee, C. C. Hsieh, et. al., " Management of Primary Chest Wall Tumors: 14 Years' Clinical Experience," *Journal of the Chinese Medical Association*, Vol. 69, No. 8, 2006, pp. 377-382. doi:10.1016/S1726-4901(09)70276-X
- [4] J. Bjornsson, K. K. Unni, D. C. Dahlin, J. W. Beabout and F. H. Sim, " Clear Cell Chondrosarcoma of Bone: Observation in 47 Cases," *American journal of surgical pathology*, Vol. 8, No. 3, 1984, pp. 223-230. doi:10.1097/00000478-198403000-00009
- [5] L. Lichenstein and D. Berstein, " Unusual Benign and Malignant Chondroid Tumors of Bone. A Survey of Some Mesenchymal Cartilage Tumors and Malignant Chondroblastic Tumors, Including a Few Multicentric Ones, as Well as Many Atypical Benign Chondroblastomas and Chondromyxoid Fibromas," *Cancer*, Vol. 12, No. 6, 1959, pp. 1142-1157. doi:10.1002/1097-0142(19830401)51:7<1230::AID-CNCR2820510710>3.0.CO;2-Q
- [6] A. G. Huvous, G. Rosen, M. Dabaska et al., " Mesenchymal Chondrosarcoma. A Clinicopathologic Analysis of 35 Patients with Emphasis on Treatment," *Cancer*, Vol. 51, No. 7, 1983, pp. 1230-1237.
- [7] S. W. Weiss and J. R. Goldblum, " *Enzinger and Weiss' s Soft Tissue Tumors*," 4th Edition, Mosby, St. Louis, 2001.
- [8] P. E. Swanson, T. J. Lillemoe, J. C. Monivel and M. R. Wick, " Mesenchymal Chondrosarcoma. An Immunohistochemical Study," *The Archives of Pathology & Laboratory Medicine*, Vol. 114, No. 9,

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1990, pp. 943-948.

- [9] H. D. Dorfman and B. Czerniak, " Malignant Cartilage Tumors," In: H. D. Dorfman and B. Czerniak, Eds., Bone Tumors, Mosby, St. Louis, 1998, pp. 353-440.
- [10] S. Naumann, P. A. Krallman, K. K. Unni, M. E. Fidler, J. R. Neff and J. A. Bridge, " Translocation der (13;21)(q10;q10) in Skeletal and Extraskelatal Chondrosarcoma," Modern Pathology, Vol. 15, No. 5, 2002, pp. 572-576. doi:10.1038/modpathol.3880565
- [11] L. Sainati, A. Scapinello, A. Montaldi, S. Blocato, V. Ninfo, M. Carli and G. A. Basso, " Mesenchymal Chondrosarcoma Of A Child With The Reciprocal Translocation (11;22)(q24;q12)," Cancer Genetics and Cytogenetics, Vol. 71, No. 2, 1993, pp. 144-147. doi:10.1016/0165-4608(93)90020-M
- [12] D. R. Lucas, K. K. Unni and R. A. McLeod, M. I. O' Connor and F. H. Sim, " Osteblastoma: Clinicopathologic Study of 306 Cases," Human Pathology, Vol. 25, No. 2, 1994, pp. 117-134. doi:10.1016/0046-8177(94)90267-4
- [13] M. Berry, H. Mankin, M. Gebhardt, A. Rosenberg and F. Hornicek, " Osteblastoma: A 30-Year Study of 99 Cases," Journal of Surgical Oncology, Vol. 98, No. 3, 2008, pp. 179-183. doi:10.1002/jso.21105
- [14] H. P. Tulloh and D. Harry, " Osteblastoma in a Rib in Childhood," Clinical Radiology, Vol. 20, No. 3, 1969, pp. 337-338. doi:10.1016/S0009-9260(69)80154-6
- [15] H. M. Kroon and J. Schurmans, " Osteblastoma: Clinical and Radiologic Findings in 98 New Cases," Radiology, Vol. 175, No. 3, 1990, pp. 783-790.
- [16] C. Della Rocca and A. G. Huvos, " Osteblastoma: Varied Histological Presentations with a Benign Clinical Course. An Analysis of 55 Cases," The American Journal of Surgical Pathology, Vol. 20, No. 7, 1996, pp. 841-850.
- [17] A. C. Baker, L. Rezeanu, M. J. Klein, M. J. Pitt, P. Buecker, J. H. Hersh, J. J. Buchino and G. P. Siegal, " Aggressive Osteblastoma: A Case Report Involving a Unique Chromosomal Aberration," International Journal of Surgical Pathology, Vol. 18, No. 3, 2010, pp. 219-224.