

## Thumb tip osteochondroma - a rare site of osteochondroma

Zemin Zhang<sup>1</sup>

Zishan Ren<sup>1</sup>

Guoqing Zhang<sup>1</sup>

Chuanguang Zhang<sup>1</sup>

Wanping Zhu<sup>2</sup>

Author details can be found at the end of this article

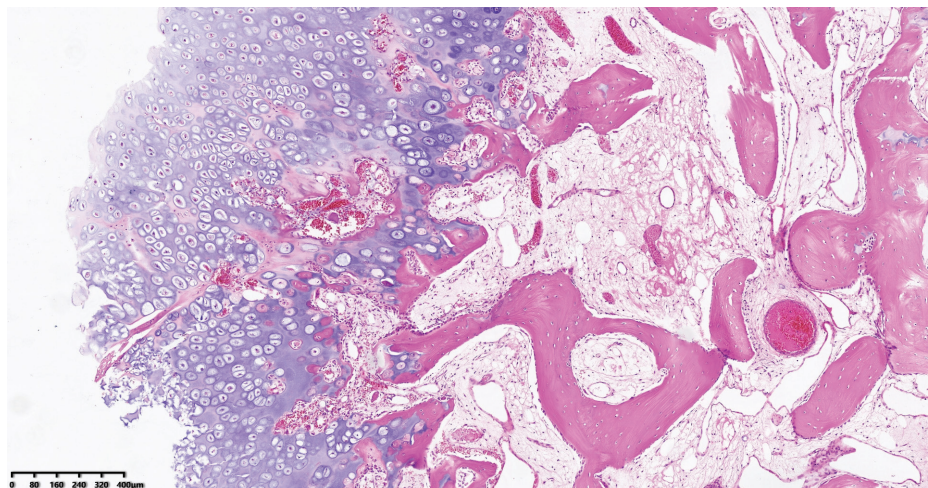
Correspondence

to: Wanping Zhu;  
wfsrmyzwp@163.com

A 12-year-old boy went to the outpatient clinic for 8 months after discovering a gradually increasing lump on the distal end of his left thumb. The physical examination showed a 1 cm × 1 cm × 1 cm-sized lump at the end of the left thumb, protruding from the surface of the skin, hard and motionless with tenderness, and good finger movement sensation. The X-ray examination showed high-density fuzzy balls at the end of the left thumb (Figure 1). The patient underwent surgical treatment and was diagnosed with osteochondroma through postoperative histological examination (Figure 2).



**Figure 1.** X-ray shows a ball-like mass at the end of the left (L) thumb.



**Figure 2.** Histological examination diagnosed osteochondroma (Scale bar = 400 µm).

### How to cite this article:

Zhang Z, Ren Z, Zhang G, Zhang C, Zhu W. Thumb tip osteochondroma - a rare site of osteochondroma. *Br J Hosp Med.* 2024. <https://doi.org/10.12968/hmed.2023.0447>

Osteochondroma is a benign tumour with minimal malignant transformation (Murphey et al, 2000). Osteochondroma is commonly found in the proximal tibia, distal femur, distal tibia, distal fibula, proximal femur, and proximal humeral metaphysis (Khodnapur et al, 2022). However, situations that occur at the ends of the limbs are very rare. This disease is mainly related to the differentiation of osteosarcoma.

#### Author details

<sup>1</sup>Department of Pediatric Surgery, Weifang People's Hospital, Weifang, China

<sup>2</sup>Department of Spinal Degeneration and Oncology, Weifang People's Hospital, Weifang, China

## References

- Khodnapur G, Patil AV, G S, M K B. Occurrence of osteochondroma at unusual location (metacarpal): a rare case report. *J Orthop Case Rep.* 2022;12(1):6–9. <https://doi.org/10.13107/jocr.2022.v12.i01.2592>
- Murphey MD, Choi JJ, Kransdorf MJ, Flemming DJ, Gannon FH. Imaging of osteochondroma: variants and complications with radiologic–pathologic correlation. *Radiographics.* 2000;20(5):1407–1434. <https://doi.org/10.1148/radiographics.20.5.g00se171407>