

6 y/o F who presents for follow up bilateral hand evaluation

Atul Kumar, MD, MS
Michael Baldwin, MD



Right Hand Radiograph



Left 5th Digit Radiograph

A large, stylized oak leaf graphic in a dark blue color, positioned on the left side of the slide. The leaf has a prominent central vein and several smaller veins branching off it. The leaf's edge is serrated.

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A large, stylized oak leaf graphic in a dark blue color, positioned on the left side of the slide. The leaf has a prominent central vein and several smaller veins branching off it. The background is a solid dark blue.

Clinodactyly

5TH



Shortening of the radial aspect of the 5th middle phalanx with radial angulation of the 5th digit

Right Hand Radiograph

Shortening of the
radial aspect of
the 5th middle
phalanx with
radial angulation
of the 5th digit



Left 5th Digit Radiograph

Clinodactyly

- Radial deviation of the 5th digit at the distal interphalangeal joint
- Often times, the middle phalanx is foreshortened along the radial aspect, trapezoidal or delta shaped
- Typically bilateral
- Congenital or Acquired
- Can be normal variant in up to 4% of the population
- Associated with numerous genetic conditions such as Down Syndrome, Apert Syndrome, and Rubinstein-Taybi Syndrome
- Often detected in utero via obstetric ultrasonography

References

- Tse, R., & Ljungquist, K. (2014). Camptodactyly and Clinodactyly. *Congenital Anomalies of the Upper Extremity*, 209-217. doi:10.1007/978-1-4899-7504-1_16
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- David, A., Vincent, M., Quéré, M., Lefrançois, T., Frampas, E., & David, A. (2015). Isolated and syndromic brachydactylies: Diagnostic value of hand X-rays. *Diagnostic and Interventional Imaging*, 96(5), 443-448. doi:10.1016/j.diii.2014.12.007