

A Rare Case Of Postaxial Hexadactyly, Medial Accessory Type With Pseudojoint To Adjacent Metatarsal Bone

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INTRODUCTION:

Polydactyly is one of the congenital anomaly with functional and cosmetic implications. Thus, most of them are indicated for surgical correction to achieve good function and cosmetic. Hence, we reported a rare case of foot postaxial hexadactyly with pseudojoint to the fourth metatarsal bone and our strategy in surgical correction of this deformity.

CASE REPORT:

A 16 year old teenager girl, presented with an isolated extra right fifth toe with widening of forefoot. Her main complaint was pain over right fifth toe and difficulty in wearing shoes, resulting in frequent shoes changing. On plain radiograph, noted extra fourth metatarsal bone articulating with bifid proximal phalanx of fifth toe at fifth metatarsophalangeal joint.



Figure 1: Pre-operative

RESULTS:

As patient agreed, we proceed with surgical reconstruction of the right foot. Intraoperatively, fifth toe polydactyly is within one capsule at fifth metatarsophalangeal joint with the presence of flexor tendon and absent of extensor tendon of the extra toe. Bifid proximal phalanx of fifth toe, extra fourth metatarsal bone and pseudojoint excised. Widening of fourth webspace approximate with soft tissue augmentation. Fifth metatarsophalangeal joint capsule repaired and stabilized with axial k-

wire. Post operation, fifth toe viable with good vascularity.



Figure 2: Post-operative

DISCUSSIONS:

Foot polydactyly can be classified into preaxial, central and postaxial forms based on morphologic phenotypes. Foot postaxial polydactyly, has been the most common form of pedal polydactyly. Duplication of the proximal phalanx with an associated wide metatarsal head has been the most frequent anatomic variant. But in our rare case, it has been associated with extra fourth metatarsal bone. Surgical reconstruction should be planned according to the anatomic configuration of the deformity for satisfactory outcome post operatively.

CONCLUSION:

Foot post axial hexadactyly with pseudojoint to adjacent metatarsal bone is one of the uncommon type.

REFERENCES:

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