

# Huckstep Shepherd's Crook

- -

. . .

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shepherd's crook  
가  
shepherd's crook 1  
Huckstep  
: , Shepherd's crook ,

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가  
5 가 (1,8,11,12)  
shepherd's crook 1  
14 8  
shepherd's crook 7  
13  
café-au-lait

---

:  
17

10 , 0 , 40 , 20  
4.4 cm

6 cm  
Huckstep

80 , 95  
shepherd's crook (Fig. 1).  
(ground glass appearance)  
CT

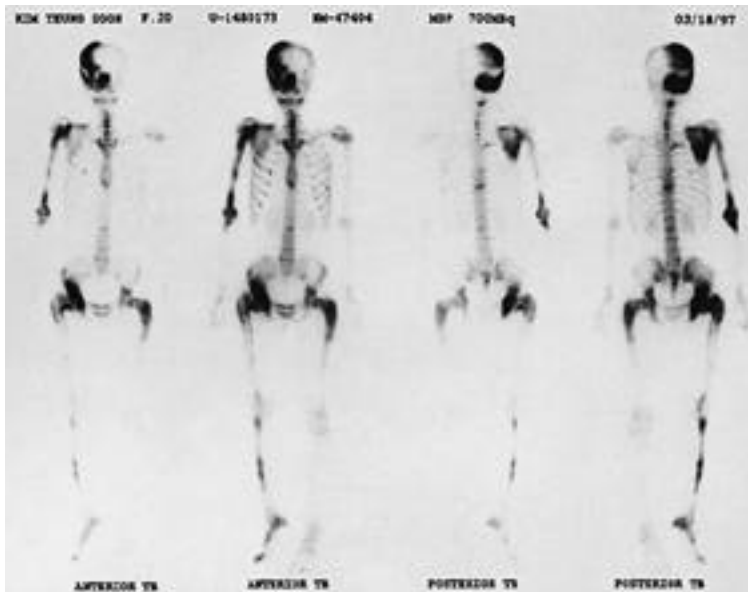


**Fig. 1.** An anteroposterior radiograph of the both hip exhibits typical appearance of coxa vara, known as shepherd's crook deformity. The neck-shaft angle was measured 80 degrees in the right and 95 degrees in the left proximal femur.

(Fig. 2).  
10 (gamma nail) 가

6  
4 3 (lag screw)  
(proximal migration)

(Fig. 3).



**Fig. 2.** A radionuclide bone scan shows increased uptake in the both proximal femur and acetabulum, right tibia, right humerus and skull.

— : Huckstep Shepherd's Crook —

2 7 G protein(Gs) stimulatory subunit

6

7 cAMP 가 c-fos, c-jun, II-6, II-11 가

90 (Fig. 4). 1 2 13).

2 가 Grabias Campbell®

2 40 , Harris 9)

, 45 45 , 40 10 5

3.7 cm . Enneking Gearer® 가

가 .

95 , 110 ,

(Fig. 5). . Guille

Kumar 7)

1938 Lichtenstein 가



**Fig. 3.** An anteroposterior radiograph of the both hip shows proximal migration of right lag screw in right hip.



**Fig. 4.** Postoperative radiograph of the both hip after closing wedge osteotomy and internal fixation using Huckstep nail. The neck-shaft angle was improved 95 degrees in the right and 110 degrees in the left proximal femur.



**Fig. 5.** Last follow-up anteroposterior radiograph 2 years after surgery. There is no recurrence of deformity.

가 가  
 shepherds  
 Huckstep  
 crook  
 Huckstep 1972 Huckstep<sup>10)</sup>  
 4 mm  
 가  
 reaming  
 4  
 4 hole

가

shepherds crook

DePalma Dodd<sup>3)</sup> shepherds crook  
 6

Huckstep

shepherds

crook 가

Connolly<sup>2)</sup> Freeman<sup>5)</sup>  
 Zickel

Zickel

Zickel

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## Abstract

### Treatment of Shepherd's Crook Deformity with Huckstep's nail in Fibrous Dysplasia

– A Case Report –

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Clinical symptoms of fibrous dysplasia in proximal femur include pain, limping, and leg-length discrepancy. Occasionally varus deformity, which may range from mild coxa vara to a marked shepherd's crook deformity was developed. Surgical intervention generally is considered advisable in the presence of persistent pain unresponsive to conservative treatment or significant or progressive deformity. Depending on the lesion size, lesion site, and deformity, several treatment methods have been used. This is a report on one case of bilateral shepherd's crook deformity in fibrous dysplasia, which was treated with corrective osteotomy by Huckstep nail.

**Key Words** : Fibrous dysplasia, Shepherd's crook deformity, Intramedullary nailing

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