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Abstract

Fingertip replantations in children

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From Jan. 1998, 28 young children patients with complete amputations at zone I or II were replanted using a microscopic technique. Children's average age was 4.5 years and the amputation levels were zone I in 12 cases and zone II in 16 cases. Overall survival rate was 57%(16 cases).

In children, the advantages of the replantation for distal digital amputations are nearly normal length, good soft tissue coverage with nail and cosmetically high patient satisfaction but surgical technical difficulties are much greater than in adults.

Key Words : Fingertip replantation, Children replantation

1965 Komatsu
 Tamai
 8)
 1.
 1988 1
 Yamano zone zone 730
 가 1,7,18) zone zone
 7 28
 2,4,6,12) 가 17 가 11
 zone 4.5 (22 8) 2

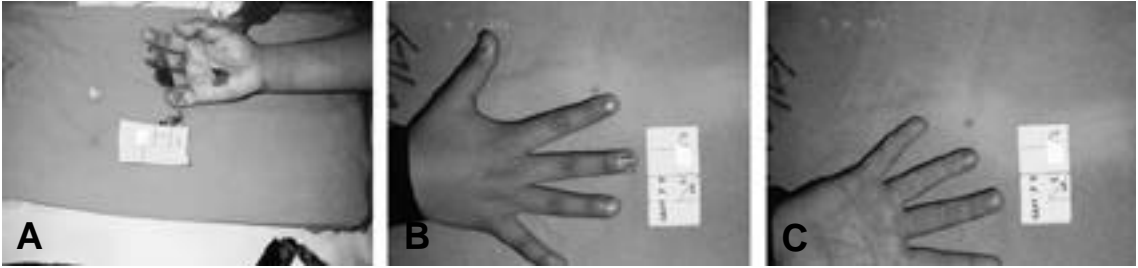


Fig. 1. Case 1

A. 6 years old male patient with complete amputation of the ring finger(zone I)
 B, C. appearance 8 months after replantation



Fig. 2. Case 2

A. 22 months old female patient with complete amputation of the long finger(zone I)
 B, C. appearance 6 months after replantation

가 9 가 , 3 가 8 , 4 5 5000u
 가 5 , 4 가 2 .
 zone 12 , zone 가 16
 가 18 가 10 14

2.

K- (0.9mm) zone zone
 11-0 28 16 (57%)
 4 zone 7 , zone
 3 가 9 12
 3 가 가 7 ,
 1 20 (40 3) 1 2 가
 0.3x0.3cm 가 2 3 5 9
 23G
 0.5x0.5cm 16 2
 가 가 4
 0.5x0.5cm



Fig. 3. Case 3

A. 8 years old male patient with complete amputation of the index finger(zone II)

B, C. appearance 14 months after replantation

1
6 (zone) 4 (Fig. 1-A). 20
1 30
8 (Fig. 1-B,C). 1,7,18)
2
22 (zone) 3 0.3 0.4mm
(Fig. 2-A). 10 2) , 11-0
6 2 (Fig. 2-B,C). 4 5
3 K-
8 가 가 2 (Fig. 0.9mm K- 0.5mm
3-A). 8 2) ,
1 2 zone zone 가
(Fig 3-B,C). 3,5,9,11,13-15)

가
 ,
 2)
 3 가
 1 , 가
 가 ,
 10,17),
 ,
 16,17)
 가
 ,
 2
 28 16
 가 2 , 3
 가 가 ,
 , 가
 가 ,
 가

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