

**Abstract**

**Reconstruction of Sacral Pressure Sores  
Using Perforator-Based Island Skin Flaps**

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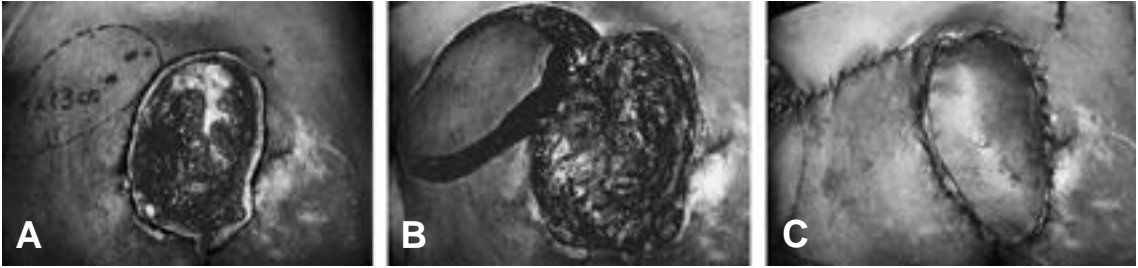
Recently, the incidence of pressure sore has been increased, due to increased number of patients with central nervous system injuries after traffic and industrial accidents or with long term loss of consciousness due to drug intoxication. The management of sacral pressure sore has been improved through the development of myocutaneous flap. However, sacrifice of the deep muscle cause some problems such as intraoperative bleeding, functional disabilities of donor site and further limitation of reconstruction for recurrent pressure sores in paraplegic patients.

The development of perforator-based island skin flap introduce a new treatment modality for sacral pressure sores. We used perforator-based island skin flap in 15 cases with reasonable result from January 1998 to February 2000. This flap has a many advantages such as no significant sacrifice of the gluteus maximus muscle, wide rotation arc, reliable blood flow of the perforator, short elevation time for the flap, and no post-operative hindrance to walking in patients who are not paraplegic. There was no significant complication without significant sequelae and donor sites could be repaired primarily.

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**Key Words** : Sacral pressure sore, Perforator, Island skin flap





**Fig. 2.** Case A 33-year-old male with pressure sore on sacrum who was paraplegic due to viral meningitis and encephalitis after epileptic surgery  
**A.** After Doppler tracing, 7 × 13cm sized island skin flap was designed.  
**B.** The perforator-based island skin flap was dissected  
**C.** Immediate postoperative view

가

1.

가 가

1998 1 2000 2 15

22 67 47.5  
 가 13 가 2

가 9

가 가 4 (Fig. 1B).

가 1  
 4 × 3cm 13 × 8cm  
 3 26

(Fig. 2C).

1

2.

가

1

39

가

가

6 × 4cm

가 가  
 1 ~ 2

8 × 5cm

(Fig. 1A).

:

가

18  
(Fig. 1).

2

33

2

2).

가 가

11×6cm

가

2,3)

13×7cm

1

6,10-12)

13)

1977 Minami <sup>12)</sup>

가

13  
(Fig. 2).

1981 Scheflan <sup>15)</sup> V-Y

가

15

가

, V-Y

<sup>15)</sup>

5

가

1

5

4

, 1

(Medical

Leech) 2

4,5,7)

8.5×7cm

2

1

가

<sup>14)</sup>

21

1988 Kroll Rosenfield

13

가

, Gould <sup>7)</sup>

가

1993 Koshima <sup>8)</sup>

20 ~ 25 가  
3 ~ 8cm, 1 ~ 1.5mm

4

가

1,3,8)

1

가

가

1998 1 2000 2 15

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