

EP-229

피하 지방종이 동반된 화상 후
반흔 구축 1예

(A case of post-burn scar contracture
associated with subcutaneous lipoma)



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Purpose: Post burn scar on large joint can make joint contracture and ROM restriction, also not completely healed burn wound can be cancerous like majorlin's ulcer. We present a case of scar contracture after flame burn and release with Z-plasty, accidentally the scar tissue was confirmed lipoma with pathology.

Methods: A 50-year-old male patient presented at the outpatient clinic with scar contracture with ulceration on the right lateral knee area after flame burn 40 years ago. First, the punch biopsy of the lesion was erosion with acute suppurative inflammation and fibrosis. Then, the total excision with scar release was planned to confirm the pathology on ulceration. Under general anesthesia, the ulcerative wound was totally excised including subcutaneous layer with direct closure. Because the contracture was aggravated with closure, Z-plasty for scar release was done. Finally, the post burn ulcerative scar was confirmed lipoma with pathology.

Results: Until post operative three-months follow-up, partial necrosis was observed on the margins. After 5-months follow-up at the outpatient office showed an overall improvement of wound.

Conclusion: This is the first report of post-burn scar related lipoma. Considering the pathogenesis of the lipoma, there was lipoma subclinically in the subcutaneous layer before the burn accident.

But the lipoma may aggravating the ulceration, which looks like majorlin's ulcer, precancerous lesion. There should be timely management for burn wound to reduce scar contracture. If there is ulcerative lesion on burn scar but not pathology confirmed with cancerous lesion, consider total excision for any other previous subcutaneous lesion.



Figure 1.



Figure 2.



Figure 3.