

## IIa/IIb Degree Scald Burn in a Child

**Age:** 11  
**Sex:** Female  
**Etiology:** Hot Water Scald Burn

### Diagnosis

IIa-IIb degree scald burn on both upper legs corresponding to 9% of the body surface area (TBSA).

### History

In May 2011 patient scalded with hot water. Burns on both thighs.

### Local Findings on Admission

On her left thigh, dorsal oozing areas and bullae, except for a 5 cm-wide longitudinal strip. On the inner upper part of her right leg as well as on a more distal part of it, erythema and small bullae. In total 9% TBSA.

### Therapy

Hospitalization in a normal ward. Conservative local treatment, dressing replacement every other day, using epithelising products and Xe-Derma®. Healing with no complications, the wound has healed on discharge (Day 11). No problems during hospitalisation, normal food intake, patient afebrile, stable blood flow. General condition on discharge satisfactory.

**Total Treatment Duration:** 7 days  
 (9 days of the injury)

**Total Number of Xe-Derma® Applications:** 1



**Fig. 1: Day 2 after Injury**

Admission; on the ventral-lateral part of the middle of her left thigh denuded corium areas with slightly hyperaemic wound bed, other areas IIa degree



**Fig. 2: Day 2 after Injury**

After bullae perforation and epidermis removal on the IIa degree areas, Xe-Derma® applied on the ventral-lateral part of thigh, and Betadine ung. on the IIb degree areas



**Fig. 3: Day 9 after Injury**

Photo after Xe-Derma® removal. Areas under Xe-Derma® healed. About 4 cm<sup>2</sup> on the upper leg's proximal lateral part remain yet to be completely healed — on the lateral part at the previous location of the IIb degree areas treated with Betadine ung.

  
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**Fig. 4: Day 11 after Injury**  
Fully healed



**Fig. 6: Day 26 after Injury**  
As there are symptoms that the uppermost scars could become hypertrophic, compression bandage indicated to treat these scars



**Fig. 5: Day 26 after Injury**  
Scars on the former IIa degree areas healed under Xe-Derma® level with surrounding skin, pink, pliable with normal pigmentation, Vancouver Scar Scale (VSS) = 1  
Scars on the former IIb degree areas healed under Betadine ung. show risk of developing into hypertrophic scars — level with surrounding skin, pink-red, pliable with slight resistance and normal pigmentation, VSS = 3 points



**Fig. 7: Day 47 after Injury**  
Scars on the ventral-lateral part of the upper leg fully level with surrounding skin, starting to fade in dispersed points, pliable with normal pigmentation, VSS = 1 point. In view of favourable scar development, outpatient follow-up discontinued, no further follow-up or treatment necessary