

# Case report on the use of an adsorbent wound dressing with active coal and silver in post traumatic wounds

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## Post traumatic wounds

The Authors describe two cases of post traumatic wounds. They value etiology, pathogenesis, clinical course, treatment in according to WBP/TIME rules and the use of an absorbent dressing with active charcoal and silver\*.

## Introduction

Post traumatic skin wounds are a frequent complication of accidents, especially if the patient is elderly. Sometimes this kind of wound appears following simple trauma and doesn't heal easily. It mainly affect the legs and their unfavourable evolution is caused by local edema following vascular and lymphatic pathology which appears after the traumatic event.

Etiopathogenesis must be looked for in internal pathologies: the negative evolution of the healing process can be favoured, in a particular way, by venous and/or arterial pathology and by metabolic disease like diabetes, obesity and hyperuricemia. In many cases it 's possible to observe association in the autoimmune disease (SLE), chronic poisoning (alcoholism, drug addiction) and myeloproliferative disorders (leukemia, erythrocytosis, lymphoma, myeloma, haemolytic anemia).

## Discussion

Contusion trauma with skin wounds, above all on the legs, is frequent especially when the patient is elderly and has ambulatory difficulties. All patients have variable circulation anomalies both in venous and arterial district and this represent an additional important cause in skin wound genesis. Further, associated pharmacological therapies can alter normal coagulative process in these patients following the formation of ecchymosis and hematomas which increases the skin distension and causes ischemic distress and tissue hypoxia with consequent cutaneous necrosis.

## Conclusion

The use of active charcoal and silver dressing\* permitted a relatively rapid resolution of the various skin injuries observed. The dressing\* allowed the maintenance of an adequate moisture in the wound bed and pain reduction assuring respect of new granulation tissue.

adsorbent dressing with active charcoal and silver\*:  
Vliwaktiv® Ag, Lohmann & Rauscher

Case n.1:

B.C. aa 86 female  
Post traumatic wound – left leg  
Hematoma . VAS 5  
Surgical debridement  
16 cm<sup>2</sup> C1 in FWBS classification  
Charcoal Ag dressing\* Healing time 81 days



Case n.2:

S.A. aa 75 male  
Post traumatic wound - right leg  
Skin necrosis. VAS 4  
Surgical debridement  
50 cm<sup>2</sup> D in FWBS classification  
Charcoal Ag dressing\* Healing time 95 days

