Case Study

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# Cardinal Health™ Negative Pressure Wound Therapy

## Use of Cardinal Health™ NPWT PRO on the Mercy Ships Floating Hospital Africa Mercy

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**Part of the comprehensive wound management of an extensive and infected scalp wound following a full thickness electrical burn**

## Case Introduction

The patient had been working on the roof of a building in Madagascar when a live electrical wire came down and contacted him on the top of the head producing an extensive and full thickness burn injury. He was admitted to a local mission hospital where sharp debridement was performed to remove devitalized tissue and a tissue flap was placed to cover the exposed bone.

Subsequent to the surgery only partial viability of the graft was achieved leading to the development of an extensive area of necrotic tissue and exposed bone which subsequently became infected.



Admission with infected skin grafts



Scalp ready for graft placement

## Methods

The patient was admitted for evaluation by a wound care nurse and physician on the Africa Mercy, the world's largest non-governmental floating hospital. He presented with extensive infected wounds on the top of his head, and he was still unable to attain full mobility post electrical injury. The patient was taken to the OR where extensive surgical debridement was performed and the Cardinal Health™ NPWT PRO device was placed on the large scalp defect.

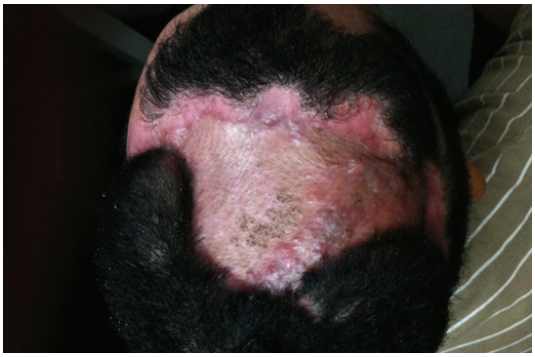


Cardinal Health™ NPWT PRO placement

## Results

The patient remained on multiple Cardinal Health™ NWPT PRO devices for approximately 12 weeks, when the defect had granulated to the depth needed to receive a skin graft.

The patient received a skin graft and was discharged after recovery and follow-up review.



Graft take and outcome

## Discussion

The Cardinal Health™ NPWT PRO device was shown to be a valuable part of the comprehensive treatment of this burn injury. The use of a portable and easy to use device facilitated the progression of the wound to a stage that could be closed with a skin graft.

Portability, simplicity and effectiveness of therapy are vital for patients throughout the world, and especially in this case on the world's largest non-governmental floating hospital treating the world's poorest and most in need of quality care.

The information presented in this case study is specific to this patient and is not intended to be a substitute for professional medical advice, diagnosis or treatment. Always seek the advice of a licensed physician or other qualified health care professional.




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Please refer to the Cardinal Health™ NPWT PRO User Manual for indications, contraindications, precautions and safety information. Caution: Federal law restricts this device to sale by or on the order of a physician.

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