



# case study programme interim results

ARCHIMED CASE STUDY OXY CS002:  
THE USE OF OXYZYME® ON ACUTE  
WOUNDS.



  
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# OXYZYME<sup>®</sup> CASE STUDY PROGRAMME

## OXY-CS002-20/01: THE USE OF OXYZYME<sup>®</sup> ON ACUTE WOUNDS



### SUMMARY

- **72 Year old male**
- **Partial thickness skin graft donor site**
- **HEALED within 5 days**

### PATIENT INFORMATION

Patient DS is a 72 year old male who presented with an acute wound on a partial thickness skin graft donor site.

Medical History: Diabetic, Hepatitis C

Current Medication: Insulin

No previous dressing

### WOUND CONDITIONS

A shallow acute wound on the donor site, following harvest of a partial thickness skin graft.

The wound was dressed with Oxyzyme and covered with gauze.

### ASSESSMENTS

#### Initial Assessment

The graft donor site measured approximately 6cm x 4cm. The site was less than 2mm deep.

#### Day 5

Following treatment with Oxyzyme for 5 days the donor site was reassessed by the consultant. The wound was assessed to have fully reepithelialised and was documented as healed.



Fig.1. Initial Assessment



Fig.2. Day 5 Assessment

### CLINICIAN COMMENTS

The consultant that assessed the wound and investigated Oxyzyme noted that Oxyzyme performed better than previous dressings used to treat these types of wounds.

### COMMENTS

Partial thickness skin graft donor sites are expected to heal within 10 – 14 days. This wound healed within 5 days.

### PATIENT SATISFACTION

The patient described Oxyzyme as very comfortable during dressing change. The patient complained of mild pain when wearing Oxyzyme. Overall, the patient was satisfied with Oxyzyme.

# OXYZYME<sup>®</sup> CASE STUDY PROGRAMME

## OXY-CS002-20/02: THE USE OF OXYZYME<sup>®</sup> ON ACUTE WOUNDS



### SUMMARY

- **10 Year old female**
- **Partial thickness skin graft donor site**
- **HEALED within 5 days**

### PATIENT INFORMATION

Patient IG is a 10 year old female who presented with an acute wound on a donor site following partial thickness skin graft harvesting following a burn injury. Medical History: None Current Medication: None

### WOUND CONDITIONS

A shallow acute wound on the donor site, following harvest of a partial thickness skin graft. The wound was dressed with Oxyzyme and covered with gauze.



Fig.1. Initial Assessment



Fig.2. Day 5

### ASSESSMENTS

#### Initial Assessment

The graft donor site measured 6cm x 4cm and was less than 2mm deep.

#### Day 5

Following treatment with Oxyzyme for 5 days the donor site was reassessed by the consultant. The wound was assessed to have fully reepithelialised and was documented as healed.

### CLINICIAN COMMENTS

The consultant that assessed the wound and investigated Oxyzyme noted that Oxyzyme performed better than previous dressings used to treat these types of wounds.

### PATIENT SATISFACTION

The patient described the dressing as comfortable during dressing change but experienced mild pain when wearing Oxyzyme. The patient was satisfied with the dressing.

### COMMENTS

Partial thickness skin graft donor sites are expected to heal within 10 – 14 days. This wound healed within 5 days.

# OXYZYME<sup>®</sup> CASE STUDY PROGRAMME

## OXY-CS002-20/03: THE USE OF OXYZYME<sup>®</sup> ON ACUTE WOUNDS



### SUMMARY

- **52 year old male**
- **Partial thickness skin graft donor site**
- **HEALED in 8 days**

### PATIENT INFORMATION

Patient CK is a 52 year old male who presented with a partial thickness skin graft donor site. Medical History: Diabetes (10 yrs) Current Medication: Insulin

### WOUND CONDITIONS

A shallow acute wound following harvest of a partial thickness skin graft.

The wound was dressed with Oxyzyme and covered with gauze.



Fig.1. Initial Assessment



Fig.2. Assessment day 8

### ASSESSMENTS

#### Initial Assessment

The graft donor site measured approximately 6cm x 4cm. The site was less than 2mm deep.

#### Day 8

Following treatment with Oxyzyme for 8 days the wound was assessed by the doctor was reported as healed.

### CLINICIAN COMMENTS

The consultant that assessed the wound and investigated Oxyzyme noted that Oxyzyme performed similarly to previous dressings used to treat these types of wounds.

### COMMENTS

Partial thickness skin graft donor sites are expected to heal within 10 – 14 days. This wound healed within 8 days.

### PATIENT SATISFACTION

The patient described Oxyzyme as very comfortable during dressing change. The patient complained of mild pain when wearing Oxyzyme. The patient was satisfied with Oxyzyme.

**OXYZYME<sup>®</sup> CASE STUDY PROGRAMME**  
OXY-CS002-20/03: THE USE OF OXYZYME<sup>®</sup> ON  
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# OXYZYME<sup>®</sup> CASE STUDY PROGRAMME

## OXY-CS002-20/04: THE USE OF OXYZYME<sup>®</sup> ON ACUTE WOUNDS



### SUMMARY

- **34 year old male**
- **Acute trauma wound on malleolus, less than 1 week old.**
- **Overall reduction in wound area of 78% over 6 weeks**
- **IMPROVED**

### PATIENT INFORMATION

Patient MC is a 34 year old male who presented with a traumatic wound following a recent road traffic accident.

Medical History: None

Current Medication: None

Previous Dressing: Not recorded

### WOUND CONDITIONS

The wound was described as a defect on the right medial malleolus following trauma. On entry into the case study programme the wound area measured 13cm<sup>2</sup>. The wound bed was 100% healthy granulation tissue. The wound margins were distinct. The wound was described as a shallow cavity. There was low to moderate levels of wound exudate. The surrounding tissue was healthy.

Oxyzyme was applied with gauze as the secondary dressing.



Fig.2.Wound on entry

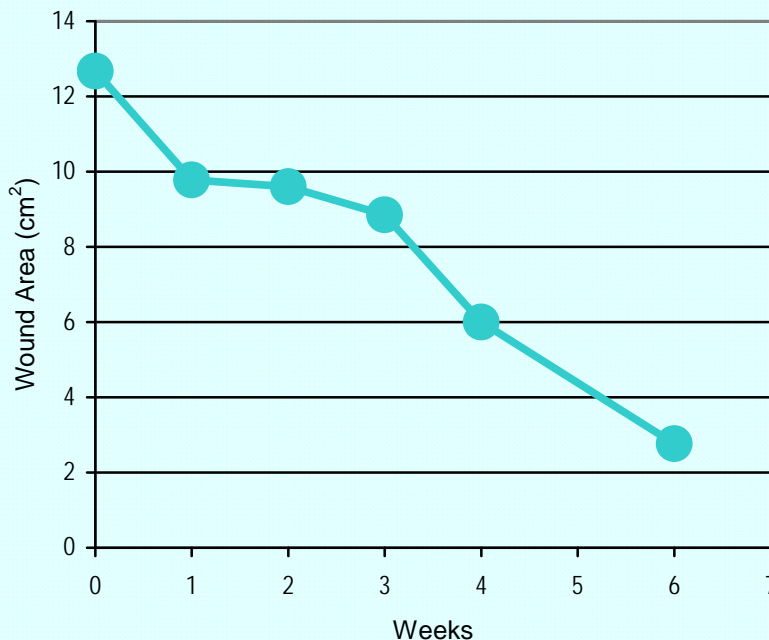


Figure 1: Wound area (measured by LUTM telemedicine software)

### ASSESSMENTS

#### Week 1

There was a reduction in wound area (23%). The wound bed remained 100% healthy granulation tissue. The surrounding tissue continued to be healthy. There was a reduction in wound exudate.



Fig.3.Wound at week 1

#### Week 4

At week 4 there was a further reduction in wound area (39%). The wound was less deep and no longer described as a shallow cavity. There was haemoserous fluid present at dressing change. The surrounding tissue was healthy.



Fig.4.Wound at week 4

# OXYZYME<sup>®</sup> CASE STUDY PROGRAMME

## OXY-CS002-20/04: THE USE OF OXYZYME<sup>®</sup> ON ACUTE WOUNDS



### Week 6

There was a further reduction in wound area of 55% since the previous visit. The wound was described as shallow with distinct wound margins. The wound bed was 100% healthy granulation tissue. The surrounding tissue was healthy with minimal signs of scarring. There was a low level of wound exudate.



Fig.5. Wound at end of study

### COMMENTS

There was total reduction in wound area of 78% over the 6 week period of the case study. The healed tissue around the wound edges is very healthy with minimal evidence of scarring.

### SATISFACTION

The patient described the dressing as very comfortable and was very satisfied with Oxyzyme.

# OXYZYME<sup>®</sup> CASE STUDY PROGRAMME

## OXY-CS002-55/02: THE USE OF OXYZYME<sup>®</sup> ON ACUTE WOUNDS



### SUMMARY

- **86 year old female**
- **Excoriation on leg following use of latex support stockings**
- **HEALED in 4 days**

### PATIENT INFORMATION

Patient LH, an 86 year old female with a sudden acute episode of epidermal skin loss following use of support hosiery (investigator speculated due to latex allergy). Medical history: Paranoid schizophrenia, venous leg ulceration  
Medication: Anadin  
Previous dressings: Inadine and Non adherent dressings

### WOUND CONDITIONS

On admission to the study the right leg was inflamed and had a large percentage of epidermal skin loss to the anterior aspect of her right shin.



Fig 1 wound on entry to study

### ASSESSMENTS

#### After four days

The wound has completely re-epithelialised and no further dressings were applied to the wound. Regular applications of 50/50 cream were applied and the Oxyzyme system was applied under short stretch compression.

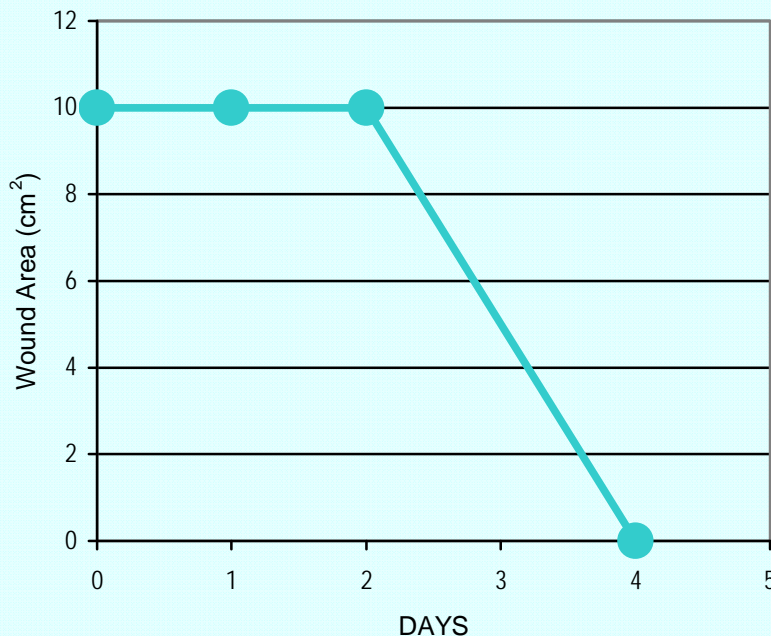


Figure 1: Wound area progress (ESTIMATED AREAS).



Fig 2 healed on 26/02/08

### COMMENTS

The wound bed was healed within 4 days.

### SATISFACTION

The patient was extremely satisfied with the outcome. She experienced no pain and was amazed how quickly the wound progressed to healing.

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