

INTRODUCTION

Human Anatomy is affected by underlying physiologic processes

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- Electric potential difference between the epidermis and underlying dermis and subcutaneous tissues
- "Skin battery"

Kambouris et. Al. 2014 Poltawski and Watson 2009 Mercola and Kirsch 1995

WOUND PHYSIOLOGY

Significant changes in the edges of the wound and the periwound area 3mm away

Kloth 2005

WMCS





Wetling Product sheet

ADVANTAGES OF WMCS

- Can be used as adjunctive treatment, non-exclusive modality
- No touch technique comfort, pain, pediatric friendly
- Wide range of applicability burns, chronic wounds, others
- Relative portability
- Ease of use

DISADVANTAGES OF WMCS

• Electric power dependence

PIONEERING PHILIPPINE EXPERIENCE WITH WMCS

TERTIARY HOSPITAL BURN UNIT

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- 6 patients with superficial partial thickness to deep partial thickness burns
- Dressed with Silver Sulfadiazine on NSS-moistened sterile gauze
- Adjunctive treatment with Wireless MicroCurrent Stimulation x 1 hour daily on burn site

AD 28M ELECTRICAL BURN, 27% TBSA, FACE, UPPER EXTREMITY, RIGHT, LOWER EXTREMITIES

DAY1 OF WMCS RIGHT ARM (3 RD POST BURN DAY)



DAY1 OF WMCS RIGHT ARM



DAY 3 RIGHT ARM



DAY 5 OF WMCS RIGHT ARM



DAY 10 RIGHT ARM OF WMCS



DAY 10 RIGHT ARM OF WMCS



10 DAY COMPARATIVE PICTURES





DAY 1 OF WMCS RIGHT LEG & THIGH



DAY 3 RIGHT LEG & THIGH OF WMCI



DAY 5 RIGHT LEG & THIGH OF WMCS



DAY 5 RIGHT THIGH OF WMCS



DAY 5 OF WMCS RIGHT THIGH



DAY 9 OF WMCS RIGHT LEG



DAY 13 OF WMCS RIGHT LEG



DAY 13 OF WMCS RIGHT THIGH





DAY 13 RIGHT THIGH OF WMCS





BL 44M SCALD BURN, 9% TBSA, DPT TO FT BURN, RIGHT; SPT-DPT, LEFT

DAY 1 WMCS





DAY 4 WMCS





Day 6 WMCS





Day 6 WMCS





DG 32M ELECTRICAL BURN, 30% TBSA, UPPER EXTREMITY, RIGHT, BACK, TRUNK

Day 1 WMCS



Day 4 WMCS





Day 6 WMCS





GR 27M FLAME BURN 26.5% TBSA SPT-DPT POSTERIOR NECK, BACK, BILATERAL UPPER AND LOWER EXTREMITY







COMPARATIVE PICTURES













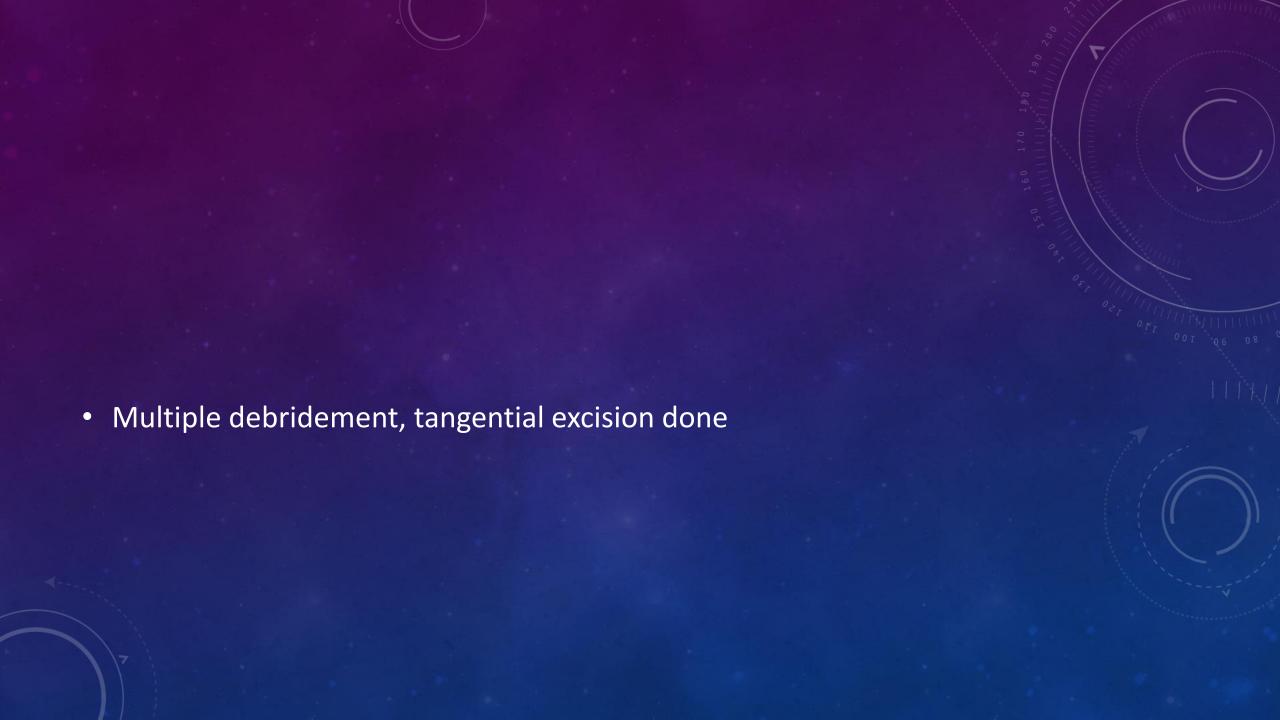




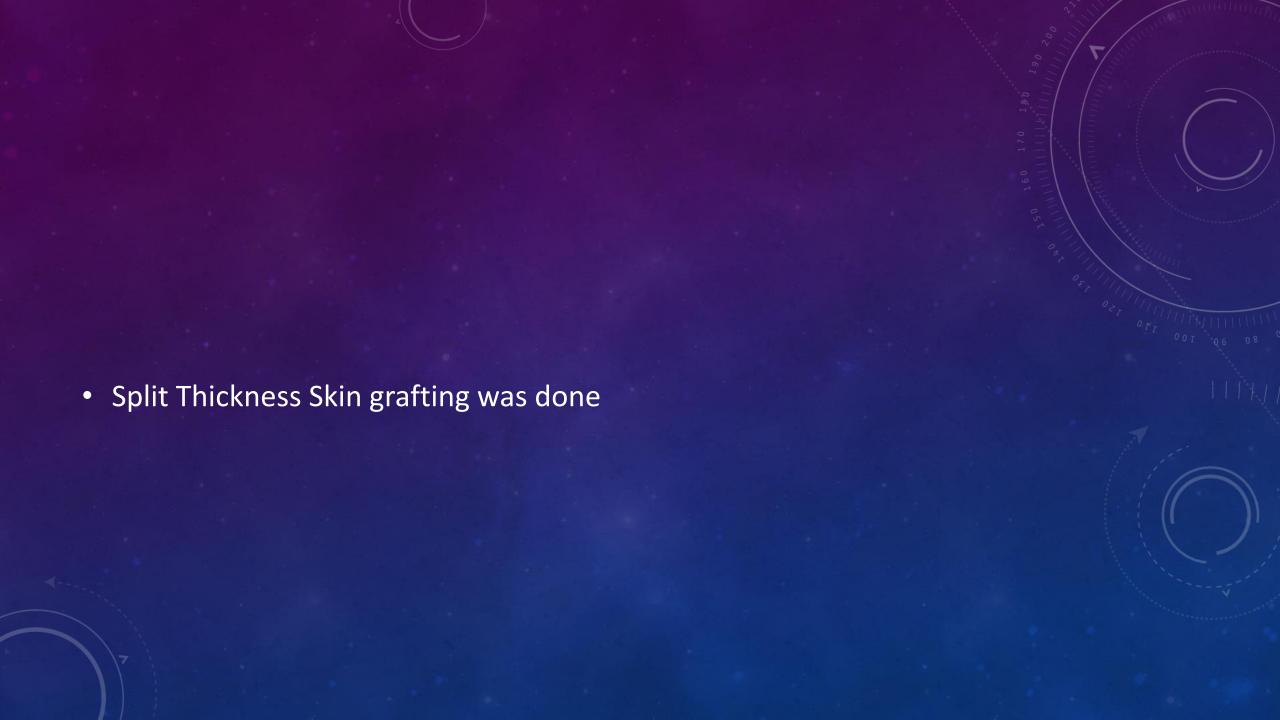


























2 WEEKS APART WMCS 3X/WK

SUMMARY

- Pediatric age group less frequent dressing changes
 - pain-free adjunct to standard of care
 - relative ease of use
 - portability
 - light offers some sort of distraction

LOCAL ADVANTAGE

- Less expense from dressing changes
- Less pain, more tolerable
- Less frequent dressing changes
- Faster healing

DISCLOSURE

- Not affiliated with nor have any stake in the company of Wetling or its distributors
- Did not receive any financial support for treatment of these cases