Incorporating clues from imaged wound dressing in high bacterial loads & infection treatment planning

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- The MolecuLight[®] fluorescence (FL) imaging device identifies high bacterial loads in wounds at the point-of-care.4
- Bacterial presence on the non-biological materials that interact with a wound can give additional information to more accurately quide treatment.

Fluorescence Signals:

Yellow

Subsurface

bacteria



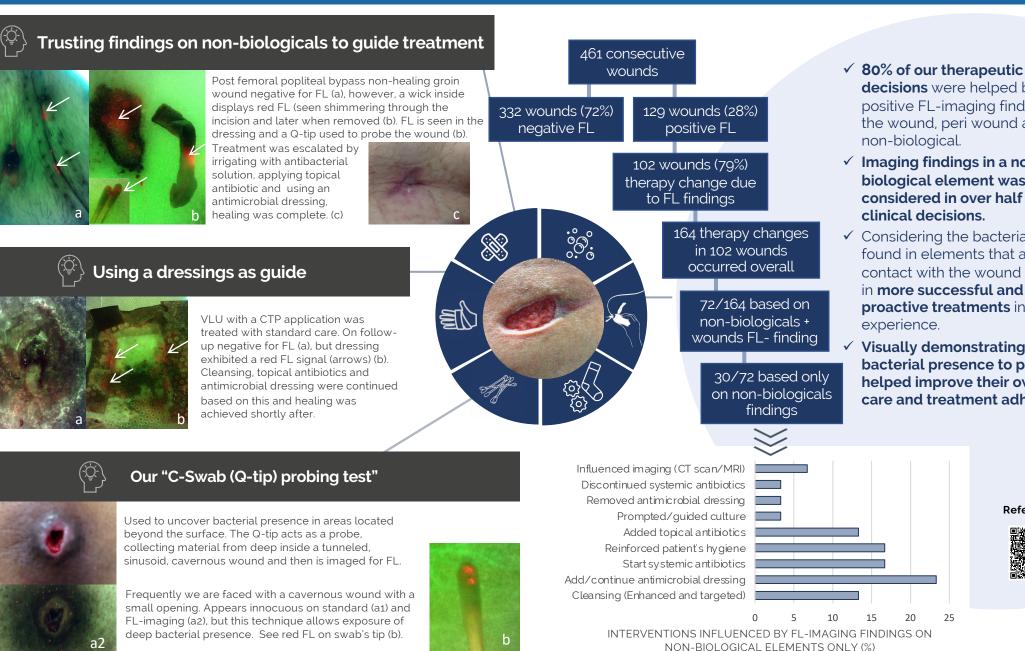
Red gram +/-. Pseudomonas⁶ aerobes anerobes⁵

Methods:

- Consecutive imaging of 461 wounds.
- Noted wound information including the use/findings on non-biologicals in contact with the wound.
- Non-biological elements included:



Aim of the study: Determine the therapeutic changes that derived from the fluorescence imaging findings on non-biologicals in relationship (or not) with fluorescence findings on the wound and peri wound.



positive FL-imaging findings in the wound, peri wound and/or a non-biological.

decisions were helped by

- ✓ Imaging findings in a nonbiological element was considered in over half of those clinical decisions.
- ✓ Considering the bacterial loads found in elements that are in contact with the wound derived in more successful and proactive treatments in our experience.
- Visually demonstrating bacterial presence to patients helped improve their own selfcare and treatment adherence.

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References

