



Precise Excision

 **smith&nephew**  
**VERSAJET<sup>®</sup> II**  
Hydrosurgery System

# TIME<sup>1</sup> - The principles of wound bed preparation

- Tissue - removal of non-viable tissue
- Infection - reduce bacterial bioburden
- Moisture - correct moisture imbalance
- Edge - edge of wound is non-advancing

# The Clinical Benefits of Debridement

- Removes necrotic tissue that impairs healing <sup>2,3,4</sup>
- Creates bacterial balance in the wound <sup>2,3</sup>
- Results in controlled bleeding that stimulates the production of blood-borne growth factors <sup>2,3</sup>
- Removes the senescent fibroblasts - leaving younger, more viable cells<sup>4</sup>
- Removes the hyper-proliferative, non-migratory wound edge that slows healing <sup>5,6</sup>

Thorough debridement is essential for the wound repair process

# Hydrosurgical Principles of Surgical Debridement

- Complete removal of undesirable tissue<sup>2,3,4</sup>
- Maximum preservation of collateral tissue
- Reduced time to wound closure



# The VERSAJET™ II Hydrosurgery System

The VERSAJET II system enables a clinician to precisely **select, excise and evacuate** nonviable tissue, bacteria and contaminants from wounds, burns and soft tissue injuries using a **tissue sparing technique**<sup>5,6</sup>

Advanced hydrosurgery technology helps reduce time to closure, which may reduce overall treatment cost<sup>3,4</sup>



# Mode of action

The VERSAJET II system uses a high pressure stream of saline to **optimise surgical debridement**.

As the hand piece travels **tangentially** across the wound, the device's razor thin saline jet removes necrotic tissue, bacteria and debris – **sparing the surrounding viable tissue**.

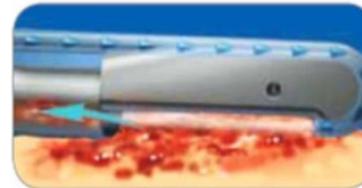
The VERSAJET™ II system quickly prepares a **cleaner, more uniform wound bed** simultaneously addressing multiple barriers to healing.



Selects  
Target necrotic tissue  
and debris using the  
localized vacuum<sup>2,4,6</sup>

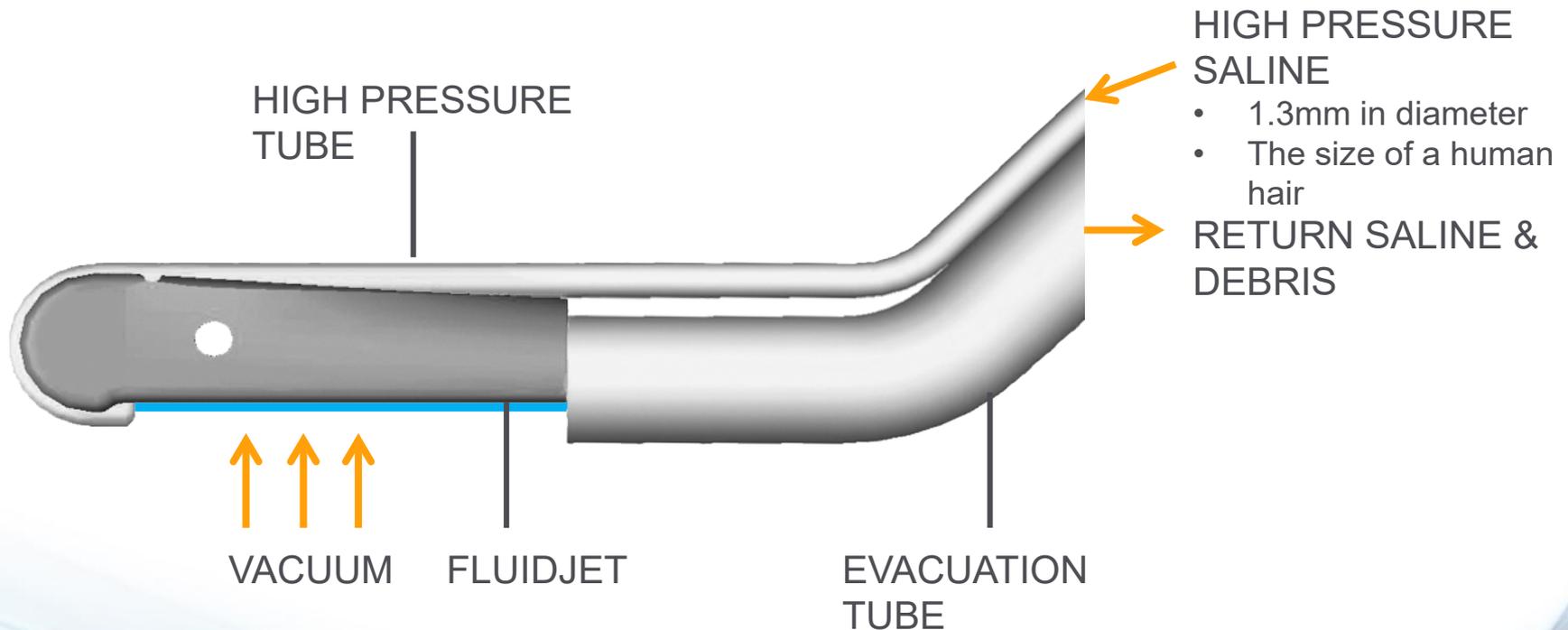


Excises  
Ablate nonviable  
tissue with maximum  
precision<sup>2,4,6</sup>



Evacuates  
Remove debris and  
slough while  
preserving viable  
tissue<sup>2,4,6</sup>

# VERSAJET™ tip configuration



Supersonic stream of saline

- Holds tissue
- Ablates tissue
- Removes waste

# Summary

## The VERSAJET™ II system

- Targets devitalized tissue
- Preserves healthy tissue
- Reduces closure time
- Lowers treatment cost
- Improves outcomes



# References

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