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## The effectiveness of a sNPWT system, compared to tNPWT in the treatment of chronic ulcers of lower extremities

-Kirsner et al. (2018)

Multi-center, phase 4, randomized, comparative efficacy study

### How was it done?

RCT to compare the percentage change in target ulcer dimensions (area, depth, volume) in lower extremity wounds (VLU/DFU) ([www.clinicaltrials.gov](http://www.clinicaltrials.gov)).<sup>1</sup>

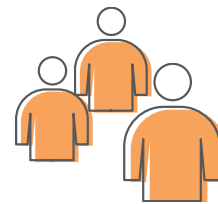


12 week  
treatment  
period



161 intention-  
to-treat  
patients (ITT)

18 centers



80 patients  
sNPWT

81 patients  
tNPWT

### What were the results?



#### Wound area



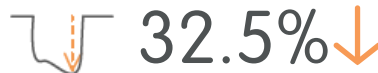
**39.1%↓**  
reduction<sup>1</sup>

for PICO sNPWT  
versus tNPWT

(mean\* reductions of 90.2 vs 51.0%;  
p<0.001; ITT population)<sup>1</sup>

Significant differences remained when  
analysed by wound type  
(VLUs, p=0.007; DFUs, p=0.031)<sup>1</sup>

#### Wound depth



**32.5%↓**  
reduction<sup>1</sup>

with PICO sNPWT  
versus tNPWT

(mean\* reductions of 45.6 vs 13.2%;  
p=14; ITT population)<sup>1</sup>

#### Wound volume



**91.1%↓**  
reduction<sup>1</sup>

with PICO sNPWT  
versus tNPWT

(mean\* reduction of 48.6% vs  
mean\* increase of 42.5%;)<sup>1</sup>

### Improved patient satisfaction

PICO patients reported more positive ratings for overall device satisfaction, comfort, mobility, sleep impact and the willingness to use the device again on another wound in the future-

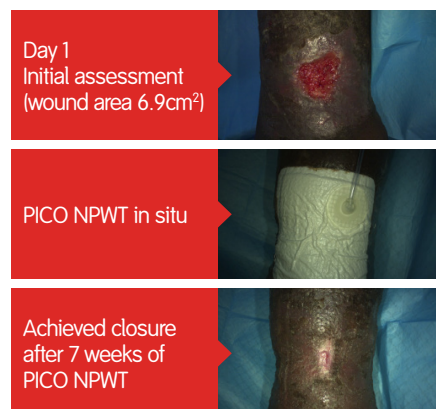


## Conclusion

PICO demonstrated superior wound closure rates of DFUs and VLUs, combined, over 12 weeks compared to tNPWT.<sup>1</sup>

# Case Studies with PICO<sup>o</sup> and tNPWT

## Case 1 VLU treated with PICO NPWT



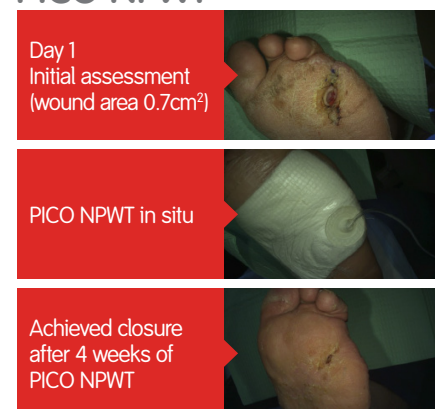
Individual results will vary

## Case 2 VLU treated with PICO NPWT



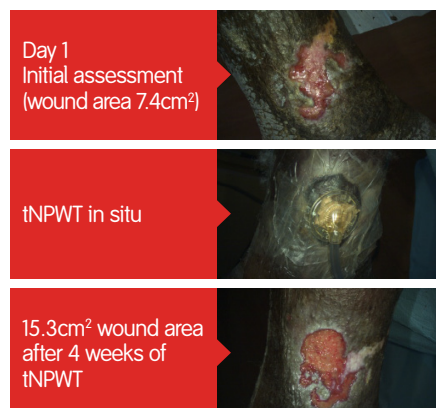
Individual results will vary

## Case 3 DFU treated with PICO NPWT



Individual results will vary

## Case 4 VLU treated with tNPWT



Individual results will vary

## Case 5 DFU treated with tNPWT



Individual results will vary

## Case 6 VLU treated with tNPWT



Individual results will vary

## Key studies to reference:

### Kirsner et al., (2018)

The effectiveness of a sNPWT system, compared to tNPWT in the treatment of chronic ulcers of lower extremities

### Searle et al., (2018)<sup>2</sup>

The cost-effectiveness of single use negative pressure wound therapy (sNPWT) compared to traditional NPWT (tNPWT) for the treatment of chronic lower-extremity ulcers

The results from this study support the use of sNPWT for the management of chronic leg ulcers (VLUs and DFUs) and when NPWT is being considered, **PICO** sNPWT should be a first choice.<sup>1</sup>

## Advanced Wound Management

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Smith & Nephew Inc.  
2280 Argentia Road,  
Mississauga, ON  
Canada, L5N 6H8

T 1 800 463 7439  
F 1 800 671 9140

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References: 1. Kirsner R, et al. Randomized controlled trial on the efficacy and acceptance of a single-use negative pressure wound therapy system versus traditional negative pressure wound therapy in the treatment of lower limb chronic ulcers (VLU and DFU). Poster presented at Wild on Wounds National Wound Conference, September 12–15, 2018, Poster 18. 2. Searle R et al. The cost-effectiveness of single-use negative pressure wound therapy (sNPWT) compared to traditional NPWT (tNPWT) for the treatment of chronic lower-extremity ulcers. Presented at Wild on Wounds National Wound Conference September 12-15, 2018, Las Vegas, NV.