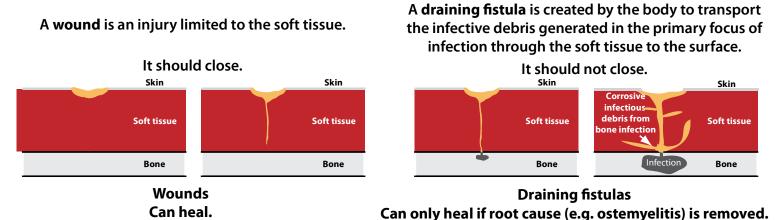
DIAGNOSING OSTEOMYELITIS USING WOUND CHARACTERISTICS AND RESPONSE TO MPPT

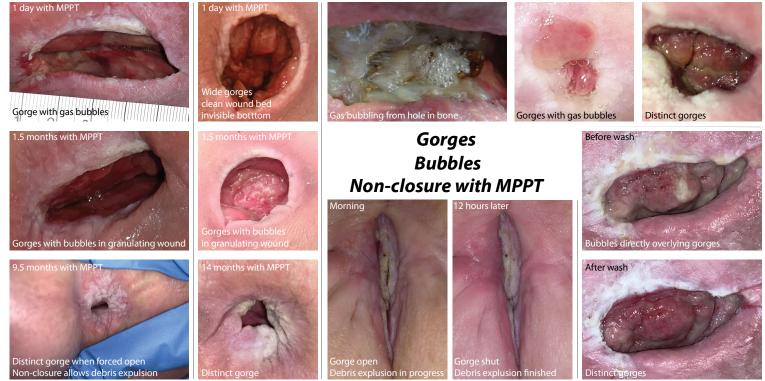
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Wounds and draining fistulas require different treatment approaches, making correct diagnosis essential.

"MRI cannot be considered a reliable diagnostic technique for the diagnosis of osteomyelitis [in SCI]." Rossella et al. (2019)

How is it possible to distinguish between a wound and a draining fistula in clinic? Are there markers on the surface?



Confirmed osteomyelitis in all pictures

Conclusion

Gorges, gas bubbles, and non-closure are rooted in the physiology of osteomyelitis.

MPPT enables the identification of these markers and can be a diagnostic tool.

This facilitates early bedside diagnosis.

Gas-producing species typical in osteomyelitis: S. aureus, P. aeruginosa, K. pneumoniae, E. coli, C. perfringens, P. mirabilis - and many others!

Clinical study with MPPT

Acute grade 1-4 pressure ulcers: 100% closure rate. Chronic grade 3-4 pressure ulcers: 100% closure rate. Draining fistula: 100% improvement rate without full closure.

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