

Addressing the challenges of treating pressure ulcers following spinal cord injury with Amicapsil-SCI micropore particle technology.

Author: Damian Smith RGN Dip/HE, Spinal Cord Injury Specialist Nurse, Spinal Injuries Association, UK

#### Context

MPPT (micropore particle technology) is a new class of wound treatment that has attracted interest in the spinal cord injured (SCI) community.

#### Objective

To perform a survey among SCI-persons to determine their experiences with the use of MPPT.

#### Methods

Online survey with 15 questions.

#### Results

The survey had 41 respondents reporting on a total of 49 wounds. The two main categories were wounds (n=33), primarily pelvic pressure ulcers; and draining fistulas (n=9) caused by osteomyelitis. All wounds reported reached full closure. Median duration of MPPT use and time to closure were 3 and 4 weeks for acute wounds (<6 weeks old) and 8 and 10 weeks for chronic wounds, respectively. On draining fistulas, MPPT was used to reduce wound size, remove soft tissue infection, avoid sepsis, reduce autonomic dysreflexia, improve overall health, and avoid bed rest, whilst waiting for surgery. Comments on MPPT were 84% highly positive, 11% positive, and 0% negative. 5% were uncertain whether the achieved closure was due to MPPT or the change in treatment regime. No adverse events were reported.

#### Conclusions

MPPT achieved a 100% closure rate of acute and chronic wounds, and, in draining fistulas, it effectively controlled soft tissue infection resulting from the presence of osteomyelitis. MPPT does not require bed rest and is suitable for self-care and telemedicine, promoting independence and better quality-of-life. The findings agree with a recent clinical study. MPPT is the first effective treatment for wounds and soft tissue infection in SCI-persons and its integration into healthcare is urgent.

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# Addressing the challenges of treating pressure ulcers following spinal cord injury with Amicapsil-SCI, micropore particle technology (MPPT)

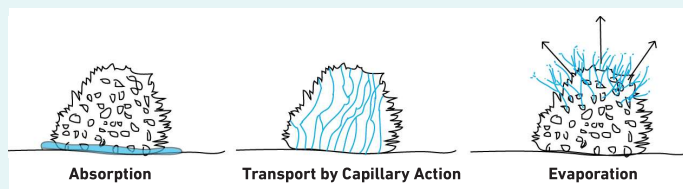
The Spinal Injuries Association strives to raise awareness of treatments and products that can help improve living with a spinal cord injury and managing the impact of some of the complications.

**Introduction:** MPPT is a new class of wound treatment that has attracted interest in the spinal cord injured (SCI) community.

**Objective:** To carry out a survey among SCI-persons to determine their experiences with the use of MPPT.

**Methods:** Online survey with 15 questions. (41 respondents reporting on a total of 49 wounds)

**Results:** MPPT achieved a 100% closure rate of acute and chronic wounds, and, in draining fistulas, it effectively controlled soft tissue infection resulting from the presence of osteomyelitis.



MPPT helps to remove toxins so that the immune cells do not die, and it helps make holes in the biofilm so that the immune cells can gain access. Once inside the biofilm, the immune cells can selectively tidy up and restore the diversity and balance in the composition of microbes. Doing this, removes the infection and brings the wound back on the natural path to healing.



- Amicapsil is licenced for use but is not currently available on prescription
- MPPT can create a paradigm shift in the approach to wound healing
- User led feedback was used in The National Institute for Health and Care Excellence (NICE) submission for further evaluation in their Medical Technologies Evaluation Programme (MTEP)
- (MTEP) considers technologies that could offer benefits to patients and the health and social care system over current practice.

## Feedback received from users of Amicapsil SCI

"Extremely effective vs all other treatments tried. It has absolutely changed my life."

"I found Amicapsil to be very effective and healed the wound quickly. "

"One of the best treatments I have found. Had made a massive difference in a small amount of time. Can't believe I've not used it before, and it's not recommended or available on NHS."

"It did all the difference. Amicapsil together with the daily follow-up and relief made the wound heal. It was visible throughout the process, which had a positive effect on the mood, and action in relation to the tasks that had to be done from the bed during that period."

"Very effective. So easy to use and really works."

"Excellent, works much quicker than other products resulting in less time confined to bed."

"Amazing!!! This stuff is a game changer!!! I suffer regularly from pressure sores, I've finally found something which aids healing."

## What did we achieve?

- Further evidence and data of the physiological and financial effectiveness of MPPT
- Submission to NICE for further evaluation via the Medical Technologies Evaluation Programme (MTEP)
- Greater awareness of MPPT and its benefits to the SCI community.
- A better understanding of the importance of the wound microbiome and it's benefit to the immune response in wound healing.
- The results have been submitted as an article to the Journal of Spinal Cord Medicine

## Author

**Damian Smith** RGN Dip/HE  
d.smith@spinal.co.uk

Damian Smith has 33 years of nursing experience, including 25 years at the Duke of Cornwall Spinal Treatment Centre as a Clinical Nurse Specialist and 3 years at SIA.

To contact one of our SCI specialist clinicians call 0800 980 0501 or scan the QR code



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## References

1. Sams-Dodd J and Sams-Dodd F. (2018) Time to Abandon Antimicrobial Approaches in Wound Healing: A Paradigm Shift. Wounds 30(11):345-352.
2. NICE MTEC Programme ([www.nice.org.uk/about/what-we-do/our-programmes/nice-guidance/nice-medical-technologies-evaluation-programme](http://www.nice.org.uk/about/what-we-do/our-programmes/nice-guidance/nice-medical-technologies-evaluation-programme))