Kick start healing in chronic wounds

Wounds that never seem to heal take up a lot of my time. Helping these chronic wounds heal faster would change everything.

Helping you get CLOSER TO ZERO $^\circ$ delay in wound healing smith-nephew.com/pico

>**smith&nephew** PICO[°] 7

Single Use Negative Pressure Wound Therapy System



Supporting healthcare professionals

What's happening with chronic wounds?



Different factors can impact the healing process¹

- Wound aetiology
- Patient age
- Co-morbidities, e.g diabetes
- Wound size and depth
- Location of the wound

Identifying chronic wounds¹

For many wounds one or more of the following abnormalities may be present, which may delay or prevent healing:

- Ischaemia
- Infection
- Abnormal or persistent inflammation



The burden of chronic wounds

Q: Cost to patients? A: Distress and suffering^{2,3}

Living with a wound long-term can be distressing for a patient,² causing:

- Loss of independence³
- Pain and suffering³
- Loss of productivity³
- Impact on quality of life³ •
- Social isolation²



Q: Cost to healthcare systems? A: £3.2 billion⁵

- Globally, a significant proportion of healthcare budget is spent on treatment of wounds⁶
- For example in the UK, £3.2bn is spent on treating chronic wounds, which account for 39% of the total number of wounds⁵



Q: Cost to healthcare professionals? A: 61 minutes per wound per week⁴

- Wound care takes up a significant amount of community nurses' time⁴
- An average nurse spends 61 minutes per wound per week⁴

A: 15% of wounds unhealed at 1 year⁴

• 15% of wounds were unhealed at 1 year or longer, with the average duration for all wound types at 9 months⁴



Introducing Negative Pressure Wound Therapy (NPWT)

- NPWT has multiple mechanisms of action that improve the speed, strength and quality of wound healing⁷
- NPWT can lead to fewer dressing changes and faster healing of chronic wounds⁸
- NPWT reduces patient discomfort, increases patient mobility and improves quality of life⁸

Improving sNPWT with PICO°7 system

- The key to successful wound healing often lies not just in the wound but also in the surrounding tissue⁹
- The design of PICO 7 system uniquely allows for the delivery of negative pressure and exudate removal across the wound bed and peri-wound area⁹

Increases blood flow¹²

"The system is unique in that it delivers benefit outside the wound bed"

Dr Sunitha Nair⁸



Anatomy of a chronic wound under NPWT



PICO[°] 7 sNPWT dressings with AIRLOCK[°] Technology: leading the way in NPWT for chronic wounds

PICO° sNPWT helps heal chronic wounds faster than standard wound care dressings[®]

PICO multi-function dressings¹² provide you and your patients with the benefits of a gentle¹⁵, absorbent¹² and evaporative¹² dressing that has also been engineered to ensure effective negative pressure¹² is delivered on to the wound.

Top film layer

has a high moisture vapour transmission rate¹² and protects the wounds from external contamination¹³

Evaporation¹²

On average 80% of the exudate is lost by

evaporation

// 21%

In wounds which responded, PICO therapy has been shown to *reduce the size of chronic wounds* by an average 21% each week^{16**}

10 weeks

In wounds which responded, PICO therapy has been shown to *heal chronic wounds* on average 10 weeks earlier than predicted with standard wound care dressings^{16**}

94%

of hard to heal wounds of less than 3 months duration, treated with PICO therapy, healed or were on a healing trajectory^{6****}

92%

Clinicians reported 'good' or 'excellent' patient experience for 92% of patients using PICO therapy^{6***}

Based on 5 out of 9 wounds responding; wound mean duration prior to study 44 weeks, study size n=9¹⁶ **A prospective cohort study of 52 wounds n=17, 8 wounds healed & 8 wounds on a healing trajectory⁵

Super absorbent core locking exudate away from wound^{10-12*}

Silicone adhesive layer protects the wound environment and reduces pain on removal^{13,15}

Pioneering AIRLOCK[°] Technology layer transmits pressure evenly across whole wound bed^{12*}

Absorption^{12*}

20% Approximately 20% fluid still remains in the dressing



For clinical outcomes this changes everything

PICO^{*} sNPWT is highly satisfactory for patients"

In an evaluation of the clinical performance of PICO therapy in wounds of mixed aetiology on 326 patients



99.7%

Reported no discomfort during application^{17*}

98.5%

98.5% reported no pain during wear^{17*}

92%

Clinicians reported 92% of patients had a 'good' or 'excellent' experience of using PICO therapy^{6**}

PICO^o sNPWT may help save time and money

In a clinical and economic review of 52 stalled wounds of varied aetilogy and duration from multiple centres (10 sites across the UK, Denmark, Sweden and Canada)6*

33%

Of PICO sNPWT 33% overall estimated cost savings 49.7% was attributed to reduced nursing costs compared with predicted healing from standard wound care dressings

49.7%

PICO sNPWT reduced nurse costs by an estimated 49.7% compared with predicted healing from standard wound care dressings^{6*}

120 days

PICO-healed wounds released an estimated 120 days of nursing time over a 6-month period compared with predicted healing from standard wound care dressings6*

For patient quality of life, this changes everything

**No p-values reported. **A prospective co-hort study of 52 wounds

*A prospective cohort study of 52 wounds, PICO-healed wounds n=14.





For healthcare budgets, this changes everything

Consider the PICO⁺ sNPWT pathway

Identify appropriate patients

To help optimise healing outcomes for the patient and ensure efficient use of healthcare resources, PICO therapy should be used on the right patient, at the right time, for the right duration6*





Implement standard therapy (AWC) when PICO therapy is not in use

Wound reduced in area by <5%at week 2 (compared to week 0

area), <7.5% at week 3 or <10% at week 4 with no significant improvement in granulation tissue quality/quantity***, static (0%) or increased in size (deteriorated)

** Wounds with overt signs of clinical infection (e.g. increased pain, levels of exudate, cellulitis etc.) should be excluded from the evaluation. Colonised / critically colonised wounds are not excluded from the evaluation. Site standard protocol should be implemented to address bacterial burden.

*A prospective cohort study of 52 wounds, PICO-healed wounds n=14.





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*** Wounds that have healed by <10% but have shown significant improvement in granulation tissue quality/ quantity may be considered for further PICO sNPWT treatment based on clinician judgement.

PICO[°] sNPWT significantly improved the healing trajectory of stalled wounds^{6*}

Weekly area reduction rate (%)⁶



PICO therapy significantly improved the healing trajectory post application when compared to the baseline trajectory of the same population^{6*}

During the PICO sNPWT phase, the weekly average data showed the wound area reduced by 13.4% more than the pre PICO sNPWT rate (p=0.006)^{6^{+}}.

The importance of early treatment

94% of hard to heal wounds of less than 3 months duration, treated with PICO therapy, healed or were on a healing trajectory^{6*}

Wound duration	Wounds	Healed	Healing trajectory	Proportion healed/healing ^{6*}
<3 months	17	8	8	94.1%
3-6 months	7	2	3	71.4%
6-12 months	7	1	2	42.9%
>1 year	15	2	3	33.3%
Unspecified	6	1	2	50.0%
Total	52	14	18	

*A prospective cohort study of 52 wounds, n=17, 8 wounds healed & 8 wounds on a healing trajectory

PICO[°] 7 sNPWT with AIRLOCK[°] Technology: new, improved single use NPWT



Improved device performance

 Enhanced management of air leaks helping to support healthcare professionals in delivering negative pressure and could potentially be used in problematic 'hard to seal' awkward areas¹⁸

Improved ease of use

- New user interface with a 'dressing full' indicator, optimising dressing changes
- Area to write start date of therapy, helping with healthcare protocols

*PICO soft port is not yet available in the US and some other markets

Revolutionary, gentle dressing

Improved patient quality of life

- Now even quieter pump than before¹⁹
- New transparent belt clip for greater portability²⁰

Increased flexibility

• New multipacks of 5 dressings now available, allowing therapy to be tailored to patients' clinical needs

PICO[°] 7 system Ordering information

Dressing	Dressing size	2 x dressing kit*	1 x dressing kit**	Multipacks***
	10cm x 20cm	66802002	66802012	66802022
	10cm x 30cm	66802003	66802013	66802023
	10cm x 40cm	66802004	66802014	66802024
	15cm x 15cm	66802005	66802015	66802025
	15cm x 20cm	66802006	66802016	66802026
	15cm x 30cm	66802007	66802017	66802027
	20cm x 20cm	66802008	66802018	66802028
	25cm x 25cm	66802009	66802019	66802029
	Multisite small 15cm x 20cm	66802000	66802010	66802020
	Multisite large 20cm x 25cm	66802001	66802011	66802021
Consumables		Product code		
Foam dressing filler	10cm x 12.5cm	66801021		





For detailed product information, including indications for use, contraindications, effects, precautions, warnings, and important safety information, please always consult for Use (IFU) prior to use.

* 2 x dressing kit = 2 dressings + 1 pump; ** 1 x dressing kit = 1 dressing + 1 pump; *** Multipacks = 5 dressings only



Business card guide

this changes everything



For detailed product information, including indications for use, contraindications, effects, precautions, warnings, and important safety information, please always consult for Use (IFU) prior to use.

Technical support

Smith & Nephew 24 hour technical support freephone **0800 9155394**

For online ordering, device activation and support materials www.negativepressure.co.uk

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Supporting healthcare professionals for over 150 years

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