



Newsletter

# Skin Integrity and Infection Prevention (SIIaIP)

2022

*University of*  
**HUDDERSFIELD**  
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# Skin Integrity and Infection Prevention (ISlaIP)

2022

Welcome to the Institute for Skin Integrity and Infection Prevention (ISlaIP) newsletter. Thank you for taking the time to read about our progress and news.

## News

### Wounds Week Is Back for 2022

Wounds Week, organised by The University of Huddersfield and Journal of Wound Care, brought together international experts providing an opportunity for the wound care community to come together in these difficult times and engage in key education free of charge.

The third Wounds Week of 2021 was held the week of 6th Dec and included sessions on global wound healing, electrical stimulation wound therapy, nutrition and wound healing and a session delivered by Dr Stephen Southern Consultant Plastic, Reconstructive, Burns and Hand Surgeon Honorary Senior Lecturer, University of Leeds on Necrotizing soft tissue infection.



We are delighted to announce that Wounds Week is back for 2022.

You can find out more here: <http://hud.ac/li1>



## Grants and Funding

### National Biofilms Innovation Centre Grant

Researchers in the ISlaIP have been awarded a two-year Knowledge Transfer Partnership which is a collaboration between the University and Paxman; a global leader in the scalp cooling technology that can reduce chemotherapy-induced hair loss, to design a medical cooling system for the prevention of Chemotherapy-induced peripheral neuropathy (CIPN).

CIPN is a common, dose-limiting side-effect experienced by 30%-40% of patients receiving chemotherapy for cancer, causing progressive and often irreversible pain or sensitivity in the hands and feet of patients undergoing chemotherapy leading to delays and discontinuation of treatment.

Currently, no prevention and treatment strategies exist for CIPN and the new project will address this gap by developing a novel medical device to be used during chemotherapy treatment that could have the potential to benefit a further 1.4 million patients globally and over 30,000 in the UK annually.



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## ▶ National Biofilms Innovation Centre Grant Continued

The partnership will involve a KTP Associate, supervised by the University's [Dr Omar Heurta Cardoso](#), who will work in new product development with experts from the [School of Arts and Humanities](#), and senior product managers of Paxman, to create a new innovative medical device using product/industrial design experience and a wide range of 'human-centered design' approaches.

This is the third KTP between the University and Paxman and builds on previous highly successful collaborations, bringing together Paxman Coolers Ltd, the World-leaders in scalp-cooling and the expertise of the University of Huddersfield.



This is the second KTP collaboration with the award-winning product design team led by [Dr Ertu Unver](#), the Academic Lead of this project and a member of the University's [Paxman Scalp Cooling Research Centre](#) which opened in February 2019.

Read more here: <http://hud.ac/a9kq>

## National Best Practice Documents

### Consensus Document: Compression therapy for pharmacy teams

Members of the Institute have been involved in the development of a consensus document for pharmacy teams managing wound care.

In February 2021, Wounds UK published the document, which provides guidelines to pharmacy teams dealing with wound care, specifically lower limb wounds and compression (Ousey et al, 2021). This expert group identified compression as an area that would benefit from specific guidance and information for pharmacy teams.

The group involved [Karen Ousey](#), [Leanne Atkin](#), [Barbara Conway](#), [Hayley Gorton](#), [Johnathan Laird](#) and [Margaret Sneddon](#).

A similar group convened again in August 2021 to develop the guidance. The document aims to:

- Provide an overview of lower limb wounds and compression therapy
- Enable pharmacy teams to deal confidently with lower limb wounds
- Facilitate appropriate prescribing of compression treatments.



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## Publications of Interest

### Selected Publications

Barakat-Johnson, M., Beeckman, D., Campbell, J., Dunk, A. M., Lai, M., Stephenson, J., & Coyer, F. (2022). Development and Psychometric Testing of a Knowledge Instrument on Incontinence-Associated Dermatitis for Clinicians: The Know-IAD. *Journal of Wound, Ostomy and Continence Nursing*, 49(1), 70-77. <http://hud.ac/llu>

Nirwan, J., Lou, S., Hussain, S., Nauman, M., Hussain, T., Conway, B., & Ghor, M. U. (2022). Electrically Tunable Lens (ETL)-Based Variable Focus Imaging System for Parametric Surface Texture Analysis of Materials. *Micromachines*, 13(1), [17]. <http://hud.ac/llv>

Facchetti, D., Hempel, U., Martocq, L., Smith, A. M., Koptuyg, A., Surmenev, R. A., Surmeneva, M. A., & Douglas, T. E. L. (2022). Heparin Enriched-WPI Coating on Ti6Al4V Increases Hydrophilicity and Improves Proliferation and Differentiation of Human Bone Marrow Stromal Cells. *International Journal of Molecular Sciences*, 23(1), [139]. <http://hud.ac/llw>

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### Selected Publications Continued

Blackburn, J., Ousey, K. & Parfitt, Exploring concepts and current evidence of shared and self-care in the management of lower limb wounds *G. Wounds UK*, 17, 4, p. 36-44 8 p. <http://hud.ac/llx>



Please see the Institutes profile on PURE for an updated list of publications.

Visit: <http://hud.ac/llk>

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# School of Human and Health Sciences



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