

Publications 2025



Fiona Wood
Foundation

In 2025, 24 peer-reviewed articles were published online, advancing knowledge across the physical, psychological and physiological dimensions of burn injury while incorporating the experiences and priorities of burn survivors, their families, and the wider community.

These publications reflect the collective contribution of our researchers, students, clinicians, collaborators and consumers, strengthening knowledge that supports future discovery, education and advances in burn care.

How we report publications

Publications are reported in the year they are first published online, including e-publication ahead of print. As a result, some articles may be reported before they are assigned to a journal volume or issue.

Article Name	APA Citation	Vancouver citation
Accurate measurement of simulated slow and altered walking activity: Apple Watch best in class wearable devices	Rowe, G., Weight, D., Rea, A., Conlon, J., Wood, F. M., & Edgar, D. W. (2025). Accurate measurement of simulated slow and altered walking activity: Apple Watch best in class wearable devices. PLoS One, 20(10), Article e0333504. https://doi.org/10.1371/journal.pone.0333504	Rowe G, Weight D, Rea A, Conlon J, Wood FM, Edgar DW. Accurate measurement of simulated slow and altered walking activity: Apple Watch best in class wearable devices. PLoS One. 2025 Oct 22;20(10):e0333504. Epub 2025 Oct 22. doi: 10.1371/journal.pone.0333504
Addressing the Overlooked: Limitations of AI in diabetic retinopathy screening and the need for preventative education in urban populations	Sincari, A., Yogesan, S., Perera, C., Hiew, J., Hamilton, E., Fegan, G., Wood, F., & Kanagasasingam, Y. (2025). Addressing the Overlooked: Limitations of AI in diabetic retinopathy screening and the need for preventative education in urban populations. Eye advance, 39(3), 400-401. https://doi.org/10.1038/s41433-024-03538-8	Sincari A, Yogesan S, Perera C, Hiew J, Hamilton E, Fegan G et al. Addressing the Overlooked: Limitations of AI in diabetic retinopathy screening and the need for preventative education in urban populations. Eye advance. 2025 Feb;39(3):400-401. doi: 10.1038/s41433-024-03538-8
A randomized, double-blind, placebo-controlled Phase 1 trial of the topical pan-lysyl oxidase inhibitor PXS-6302 in mature scar	Morellini, N., Gong, P., Rea, S., Douglas, H., Ho, P. H., Cense, B., Kennedy, B. F., Jarolimek, W., Charlton, B., Findlay, A., Leadbetter, J., Wood, F. M., & Fear, M. W. (2025). A randomized, double-blind, placebo-controlled phase 1 trial of the topical pan-lysyl oxidase inhibitor PXS-6302 in mature scars. Science Translational Medicine, 17(815), Article eadv2471. https://doi.org/10.1126/scitranslmed.adv2471	Morellini N, Gong P, Rea S, Douglas H, Ho PH, Cense B et al. A randomized, double-blind, placebo-controlled phase 1 trial of the topical pan-lysyl oxidase inhibitor PXS-6302 in mature scars. Science Translational Medicine. 2025 Sept 10;17(815):eadv2471. doi: 10.1126/scitranslmed.adv2471
Bouncing Back: The Psychosocial Benefits of a Community-Based Exercise	Atapattu, D., Shoesmith, V. M., Kierath, E., Fear, M. W., Wood, F. M., & Martin, L. J. (2025). Bouncing Back: The Psychosocial Benefits of a Community-Based Exercise Program for Children with Non-Severe Burns.	Atapattu D, Shoesmith VM, Kierath E, Fear MW, Wood FM, Martin LJ. Bouncing Back: The Psychosocial Benefits of a Community-Based Exercise Program for Children with

Program for Children with Non-Severe Burns	European Burn Journal, 6(1), Article 9. https://doi.org/10.3390/ebj6010009	Non-Severe Burns. European Burn Journal. 2025 Mar;6(1):9. doi: 10.3390/ebj6010009
Clinical prediction of wound re-epithelisation outcomes in non-severe burn injury using the plasma lipidome	Ryan, M., Raby, E., Masuda, R., Lodge, S., Nitschke, P., Maker, G. L., Wist, J., Fear, M., Holmes, E., Nicholson, J., Gray, N., Whiley, L., & Wood, F. (2025). Clinical prediction of wound re-epithelisation outcomes in non-severe burn injury using the plasma lipidome. Burns, 51(1), Article 107282. https://doi.org/10.1016/j.burns.2024.10.003	Ryan M, Raby E, Masuda R, Lodge S, Nitschke P, Maker GL et al. Clinical prediction of wound re-epithelisation outcomes in non-severe burn injury using the plasma lipidome. Burns. 2025 Feb;51(1):107282. Epub 2024 Oct 15. doi: 10.1016/j.burns.2024.10.003
Cool Running Water as a First Aid Treatment for Burn Injuries	Holbert, M. D., Singer, Y., Palmieri, T., Rose, J., Mackey, K., Singh, S., Kuppermann, N., Wood, F., Joe, V., Dimanopoulos, T. A., Frear, C. C., McPhail, S. M., Kimble, R., Cuttle, L., Katzer, R., & Griffin, B. (Accepted/In press). Cool Running Water as a First Aid Treatment for Burn Injuries. Annals of Emergency Medicine. https://doi.org/10.1016/j.annemergmed.2025.08.003	Holbert MD, Singer Y, Palmieri T, Rose J, Mackey K, Singh S et al. Cool Running Water as a First Aid Treatment for Burn Injuries. Annals of Emergency Medicine. 2025 Sept 22. doi: 10.1016/j.annemergmed.2025.08.003
Country economic status is strongly associated with burn survival - validation of the (modified) ABSI	Elrod, J., Mohr, C., Branski, L., Peterson, J. M., Wood, F. M., Edgar, D. W., Agbenorku, P., Chamania, S., Sharma, A., Novaes, F. N., Katabogama, J. B., Boettcher, M., Reinshagen, K., & Koenigs, I. (2025). Country economic status is strongly associated with burn survival - validation of the (modified) ABSI. International Journal for Equity in Health, 24(1), Article 5. https://doi.org/10.1186/s12939-024-02353-7	Elrod J, Mohr C, Branski L, Peterson JM, Wood FM, Edgar DW et al. Country economic status is strongly associated with burn survival - validation of the (modified) ABSI. International Journal for Equity in Health. 2025 Jan 9;24(1):5. doi: 10.1186/s12939-024-02353-7
Cutaneous Chemical Burns: Water Irrigation First Aid Improves Short-term Outcomes	Chai, H., Martin, L., Kornhaber, R., Cuttle, L., Fear, M., & Wood, F. (Accepted/In press). Cutaneous Chemical Burns: Water Irrigation First Aid Improves Short-term Outcomes. Journal of Burn Care & Research, Article iraf079. https://doi.org/10.1093/jbcr/iraf079	Chai H, Martin L, Kornhaber R, Cuttle L, Fear M, Wood F. Cutaneous Chemical Burns: Water Irrigation First Aid Improves Short-term Outcomes. Journal of Burn Care & Research. 2025 May 31;iraf079. doi: 10.1093/jbcr/iraf079
Early ambulation following lower limb burn and surgery is associated with improved long-term functional outcome and reduced hospital length of stay.	Tatlow, C. J., Hince, D. A., Evans, C. K., Truter, P., Pienaar, P. C., Wood, F. M., Bulsara, M., Berghuber, A., Gittings, P. M., & Edgar, D. W. (2025). Early ambulation following lower limb burn and surgery is associated with improved long-term functional outcome and reduced hospital length of stay: A longitudinal cohort	Tatlow CJ, Hince DA, Evans CK, Truter P, Pienaar PC, Wood FM et al. Early ambulation following lower limb burn and surgery is associated with improved long-term functional outcome and reduced hospital length of stay: A longitudinal cohort study. Burns. 2025 Jun;51(5):1-9.

	study. Burns, 51(5), 1-9. Article 107474. https://doi.org/10.1016/j.burns.2025.107474	107474. Epub 2025 Apr 15. doi: 10.1016/j.burns.2025.107474
Effect of cold and warm water ingestion on physiological and performance parameters during simulated hot burn surgeries	Landers, G. J., Girard, O., Palejwala, Z., Wood, F. M., Wallman, K. E., & Hollins, S. (2025). Effect of cold and warm water ingestion on physiological and performance parameters during simulated hot burn surgeries. Temperature. Advance online publication. https://doi.org/10.1080/23328940.2025.2578080	Landers GJ, Girard O, Palejwala Z, Wood FM, Wallman KE, Hollins S. Effect of cold and warm water ingestion on physiological and performance parameters during simulated hot burn surgeries. Temperature. 2025 Oct 28. Epub 2025 Oct 28. doi: 10.1080/23328940.2025.2578080
Evaluating Inter-and Intra-rater reliability in the Bronchoscopic grading of Burn Inhalation Injury: the iBRONCH-BII study	On behalf of the International Burns Inhalation Injury Consortium*, & Wood, F. (2025). Evaluating inter-and intra-rater reliability in the bronchoscopic grading of burn inhalation injury: The iBRONCH-BII study. Burns, 51(5), Article 107502. https://doi.org/10.1016/j.burns.2025.107502	On behalf of the International Burns Inhalation Injury Consortium*, Wood F. Evaluating inter-and intra-rater reliability in the bronchoscopic grading of burn inhalation injury: The iBRONCH-BII study. Burns. 2025 Jun;51(5):107502. doi: 10.1016/j.burns.2025.107502
Feasibility of collecting long-term patient-reported outcome data in burns patients using a centralised approach	Tracy, L. M., Capell, E., Cleland, H. J., Edgar, D. W., Singer, Y., Teague, W. J., & Gabbe, B. J. (2025). Feasibility of collecting long-term patient-reported outcome data in burns patients using a centralised approach. Burns, 51(1), 107304. https://doi.org/10.1016/j.burns.2024.107304	Tracy LM, Capell E, Cleland HJ, Edgar DW, Singer Y, Teague WJ, et al. Feasibility of collecting long-term patient-reported outcome data in burns patients using a centralised approach. Burns. 2025;51(1):107304. doi:10.1016/j.burns.2024.107304
Implementing Guidelines for hypothermia prevention with Local adaptation to keep periOperative patients Warm (GLOW): protocol of a stepped-wedge cluster randomised hybrid type II effectiveness-implementation study	Munday, J., Duff, J., Wood, F. M., Sturgess, D., Keogh, S., Ralph, N., White, N. M., Carter, H., & Graham, I. D. (2025). Implementing Guidelines for hypothermia prevention with Local adaptation to keep periOperative patients Warm (GLOW): protocol of a stepped-wedge cluster randomised hybrid type II effectiveness-implementation study. BMJ Open, 15(2), Article e091577. https://doi.org/10.1136/bmjopen-2024-091577	Munday J, Duff J, Wood FM, Sturgess D, Keogh S, Ralph N et al. Implementing Guidelines for hypothermia prevention with Local adaptation to keep periOperative patients Warm (GLOW): protocol of a stepped-wedge cluster randomised hybrid type II effectiveness-implementation study. BMJ Open. 2025 Feb 12;15(2):e091577. doi: 10.1136/bmjopen-2024-091577
Move to improve: protocol for a single-arm, pragmatic feasibility trial of an individualised physical activity programme for	Move to Improve Author Group, Sivaramakrishnan, H., Finlay-Jones, A., Valentine, J., Wood, F. M., Naylor, L. H., Reid, S., Shetty, V. B., & Davis, E. (2025). Move to improve: protocol for a single-arm, pragmatic feasibility trial of an individualised physical	Move to Improve Author Group, Sivaramakrishnan H, Finlay-Jones A, Valentine J, Wood FM, Naylor LH et al. Move to improve: protocol for a single-arm, pragmatic feasibility trial of an individualised physical activity programme

children with chronic conditions	activity programme for children with chronic conditions. BMJ Open, 15(11), Article e101909. https://doi.org/10.1136/bmjopen-2025-101909	for children with chronic conditions. BMJ Open. 2025 Nov 4;15(11):e101909. Epub 2025 Nov 4. doi: 10.1136/bmjopen-2025-101909
Partnering with consumers and multidisciplinary team to understand challenges when conducting clinical trials in the burns ambulatory clinical environment: A qualitative research study	Scaddan, B., Kumar, R., Rea, S., Wood, F. M., & Edgar, D. W. (2025). Partnering with consumers and multidisciplinary team to understand challenges when conducting clinical trials in the burns ambulatory clinical environment: A qualitative research study. Burns Open, 12, Article 100428. https://doi.org/10.1016/j.burnso.2025.100428	Scaddan B, Kumar R, Rea S, Wood FM, Edgar DW. Partnering with consumers and multidisciplinary team to understand challenges when conducting clinical trials in the burns ambulatory clinical environment: A qualitative research study. Burns Open. 2025 Nov;12:100428. Epub 2025 Oct 29. doi: 10.1016/j.burnso.2025.100428
Rapid Evaporative Ionisation Mass Spectrometry in Surgery: A Systematic Review'	Barber, A. R. J., Dottore, A., Leigh, J., Fear, M., & Wood, F. (2025). Rapid evaporative ionization mass spectrometry in surgery: a systematic review. British Journal of Surgery, 112(11), Article znaf228. https://doi.org/10.1093/bjs/znaf228	Barber ARJ, Dottore A, Leigh J, Fear M, Wood F. Rapid evaporative ionization mass spectrometry in surgery: a systematic review. British Journal of Surgery. 2025 Nov;112(11):znaf228. Epub 2025 Nov 12. doi: 10.1093/bjs/znaf228
ReCell. In Color Atlas of Burn Reconstructive Surgery	Wood, F. M. (2025). ReCell. In Color Atlas of Burn Reconstructive Surgery (pp. 227-235). Springer Science + Business Media. https://doi.org/10.1007/978-3-031-88353-8_26	Wood FM. ReCell. In Color Atlas of Burn Reconstructive Surgery. Singapore: Springer Science + Business Media. 2025. p. 227-235 doi: 10.1007/978-3-031-88353-8_26
Return to work in adults after burn injury in Australia: Western Australian outcomes 2006-2024	Inge Spronk, Cameron Carling, Daisy Ryan, Fiona M. Wood, Mark W. Fear and Dale W. Edgar, Return to work in adults after burn injury in Australia: Western Australian outcomes 2006-2024, Burns, (2025) https://doi.org/10.1016/j.burns.2025.107710	Spronk I, Carling C, Ryan D, Wood FM, Fear MW, Edgar DW. Return to work in adults after burn injury in Australia: Western Australian outcomes 2006-2024. Burns. 2025 Sep;107710. doi.org/10.1016/j.burns.2025.107710
Session Rating of Perceived Exertion Is a Valid Method to Monitor Intensity of Exercise in Adults with Acute Burn Injuries	Page, J. S., Edgar, D. W., Grisbrook, T. L., Jacques, A., Gittings, P. M., Wood, F. M., & Brade, C. J. (2025). Session Rating of Perceived Exertion Is a Valid Method to Monitor Intensity of Exercise in Adults with Acute Burn Injuries. European Burn Journal, 6(1), Article 4. https://doi.org/10.3390/ebj6010004	Page JS, Edgar DW, Grisbrook TL, Jacques A, Gittings PM, Wood FM et al. Session Rating of Perceived Exertion Is a Valid Method to Monitor Intensity of Exercise in Adults with Acute Burn Injuries. European Burn Journal. 2025 Mar;6(1):4. doi: 10.3390/ebj6010004
Sex-Based Differences in Long-Term Lipid Metabolism, Inflammation and Stress	Ryan, M. J., Kierath, E., Lodge, S., Masuda, R., Davis, J., D'Vaz, N., ... & Whiley, L. (2025). Sex-Based Differences in Long-Term Lipid	Ryan MJ, Kierath E, Lodge S, Masuda R, Davis JA, D'Vaz N, et al. Sex-based differences in long-term lipid metabolism,

Regulation After Non-Severe Paediatric Burns	Metabolism, Inflammation and Stress Regulation After Non-Severe Paediatric Burns. medRxiv, 2025-09. https://doi.org/10.1101/2025.09.23.25336456	inflammation, and stress regulation after non-severe paediatric burns. Burns. 2026;52(6):108004. doi:10.1016/j.burns.2026.108004
The implications of bariatric surgery in the burns patient	Chu, S., Ziolkowski, N., Chia, B., Baines, R., Raby, E., Wood, F., Duncan-Smith, M., & Douglas, H. (2025). The implications of bariatric surgery in the burns patient. Journal of Plastic, Reconstructive and Aesthetic Surgery, 105, 281-282. https://doi.org/10.1016/j.bjps.2025.04.014	Chu S, Ziolkowski N, Chia B, Baines R, Raby E, Wood F et al. The implications of bariatric surgery in the burns patient. Journal of Plastic, Reconstructive and Aesthetic Surgery. 2025 Jun;105:281-282. doi: 10.1016/j.bjps.2025.04.014
The separate and combined effect of intraoperative stressors on the surgical team during burn surgery: A pilot study	Palejwala, Z., Wood, F. M., Maloney, S. K., Landers, G. J., Ecker, U. K. H., & Wallman, K. E. (2025). The separate and combined effect of intraoperative stressors on the surgical team during burn surgery: A pilot study. Burns, 51(7), Article 107565. https://doi.org/10.1016/j.burns.2025.107565	Palejwala Z, Wood FM, Maloney SK, Landers GJ, Ecker UKH, Wallman KE. The separate and combined effect of intraoperative stressors on the surgical team during burn surgery: A pilot study. Burns. 2025 Sept;51(7):107565. doi: 10.1016/j.burns.2025.107565
Timing of surgery in acute deep partial-thickness burns: A study protocol	Salemans, R. F. C., van Uden, D., van Baar, M. E., Haanstra, T. M., van Schie, C. H. M., van Zuijlen, P. P. M., Lucas, Y., Scholten-Jaegers, S. M. H. J., Meij-de Vries, A., Wood, F. M., Edgar, D. W., Spronk, I., & van der Vlies, C. H. (2025). Correction: Timing of surgery in acute deep partial-thickness burns: A study protocol. PLoS One, 20(7 July), Article e0328380. https://doi.org/10.1371/journal.pone.0328380	Salemans RFC, van Uden D, van Baar ME, Haanstra TM, van Schie CHM, van Zuijlen PPM et al. Correction: Timing of surgery in acute deep partial-thickness burns: A study protocol. PLoS One. 2025;20(7 July):e0328380. doi: 10.1371/journal.pone.0328380
Unveiling the Link: The Potential Roles of Vitamin D in Keloid Pathophysiology	Kotze, J., Nortje, E., Phulukdaree, A., Fear, M. W., Wood, F., & Bester, J. (2025). Unveiling the Link: The Potential Roles of Vitamin D in Keloid Pathophysiology. Experimental Dermatology, 34(2), Article e70043. https://doi.org/10.1111/exd.70043	Kotze J, Nortje E, Phulukdaree A, Fear MW, Wood F, Bester J. Unveiling the Link: The Potential Roles of Vitamin D in Keloid Pathophysiology. Experimental Dermatology. 2025 Feb;34(2):e70043. doi: 10.1111/exd.70043