

EVIDENCIA

B|BRAUN
SHARING EXPERTISE

Prontosan®

0,1% Undecilenamidopropil Betaína
0,1% Polihexanida(PHMB)



PRÁCTICA BASADA EN LA EVIDENCIA

LA FUERZA DE
RECOMENDACIÓN PARA USAR
LA GAMA DE PRODUCTOS PRONTOSAN
ESTÁ SÓLIDAMENTE DOCUMENTADA.

Actividad Antimicrobiana

In Vitro Activity of a Polyhexanide Betaine Solution Against High-Risk Clones of Multidrug-Resistant Nosocomial Pathogens. Rafael López-Rojas, Felipe Fernández-Cuenca, Lara Serrano-Rocha, Álvaro Pascual. Enfermedades Infecciosas y Microbiología Clínica.2016. <http://dx.doi.org/10.1016/j.eimc.2016.02.008>

Clinical Review PHMB and its potential contribution to wound management. Wounds UK, 2010, Vol 6, No 2. David Gray*, SimonBarrett, MayukhBattacharyya

A practice-oriented Recommendation for treatment of critically colonized and Locally infected wounds using polihexanide. Tissue Viability Society. 2010. J. Dissemond, V. Gerber, A. Kramer, G. Riepe,R. Strohal, A. Vassel-Biergans, T. Eberlein*. DOI: 10.1016/j.jtv.2010.06.002

Consensus on Wound Antisepsis: Update 2018. Consensus Guidelines. Skin PharmacologyPhysiology 2018;31:28–58 .Axel Kramer, Joachim Dissemond, Simon Kim, Christian Willy .Dieter Mayer , Roald Papke, Felix Tuchmann,Ojan Assadian. DOI: 10.1159/000481545

Wound Cleaning and Wound Healing: A Concise Review. ADV SKIN WOUND CARE 2013;26:160Y3. Robert G. Wilkins, MBChB, FRCA, and Martin Unverdorben, MD, Ph. WWW.WOUNDCAREJOURNAL.COM

Comparison of the bactericidal efficacy and in vitro cytotoxicity of Lavasept® and Prontosan®. GMS Krankenhaushygiene Interdisziplinär 2007, Vol. 2(2), ISSN 1863–5245. Gerald Müller, Torsten Koburger, Frank U , W. Jethon, Axel kramer. http://www.egms.de/de/journals/dgkh/20072/dgkh_000075.shtml

Clinical use of polihexanide on acute and chronic wounds for antisepsis and decontamination. Eberlein T, Assadian O. Skin Pharmacol Physiol 2010;23(Suppl 1):45–51. Doi 10 1159 000318267

Evaluation of the efficacy and tolerability of a solution containing propyl betaine and polihexanide. Romanelli M, Dini V, Barbanera S, Bertone MS. Skin Pharmacol Physiol 2010;23(Suppl 1):41–44.

Experiences in using polihexanide containing wound products in the management of chronic wounds – results of a methodical and retrospective analysis of 953 cases. Moeller A, Nolte A, Kaehn K. Wundmanagement 2008; 3:112-117.

Polihexanide and betaine containing wound care solution and gel reduce the growth of microorganisms by more than LOG 5 in-vitro. Stolarck R, Minnich K, Olinger S, et al. J Clin Pharmacol 2010;50(9):1071. <https://www.researchgate.net/journal/The Journal of Clinical Pharmacology> 1552 4604

Effects of biguanides on the formation of streptococcal biofilms using a human embryo skin fibroblast cell culture model. Afinogenova AG, Grabovskaya KB, Kuleshevich EV, et al. Infections in Surgery 2011;1(9):5 –13.

Efecto Tensioactivo

Surfactants and their role in Wound cleansing and biofilm management. JOURNAL OF WOUND CARE vol 26. NO 11, NOVEMBER 2017. DOI:10.12968/JOWC.2017.26.11.680

Prontosan® Made Easy. Wounds International 2011. BradburyS1, FletcherJ2 1. Research Nurse, Department of Dermatology and Wound Healing, Cardiff University, Cardiff, UK 2. Principal Lecturer, School of Nursing Midwifery and Social Work, University of Hertfordshire, Hatfield, UK and Senior Professional Tutor, Department of Dermatology and Wound Healing, Cardiff University, Cardiff, UK

Review on the Efficacy, Safety and Clinical Applications of Polihexanide, a Modern Wound Antiseptic. Skin Pharmacology and Physiology 2010. DOI:10.1159/000318264

Surfactants and their role in biofilm management in chronic wounds. Wounds International 2019 10 | Vol 10 Issue 1. Percival, Mayer, Malone, G. Peck. www.woundsinternational.com. DOI: 10.12968/jowc.2017.26.11.680

Colonización Crítica: La Gran Invisible. Puntos clave para identificar la infección subclínica en las heridas crónicas. Izaskun Sainz-Espiga Carmen Folguera Álvarez Pilar Lebrancón Cortes Susana Valerdiz Casasola. ISBN 978-84-617-4856-3 Depósito legal M-34663-2016

Guía de Terapéutica Antimicrobiana del Área Aljarafe, 3ª edición, Sevilla. Distrito Sanitario Aljarafe-Sevilla Norte y Hospital San Juan de Dios del Aljarafe, 2018. <http://www.juntadeandalucia.es/servicioandaluzdesalud/guiaterapeuticaaljarafe/guiaTerapeuticaAljarafe/>

La infección de heridas en la práctica clínica . Principios de las mejores prácticas. ACTUALIZACIÓN DEL DOCUMENTO DE CONSENSO INTERNACIONAL 2022. International Wound Infection Institute(IWII) La infección de heridas en la práctica clínica. *Wounds International*. 2022.

Las soluciones hipoclorosas antimicrobianas para la irrigación de heridas demuestran una eficacia antibiofilm más baja contra biofilms bacterianos en un modelo complejo de biopelícula de plasma humano in vitro (hpBIOM) que los antimicrobianos comunes para heridas. 2020. RembeJD, HuelsboemerL, Plattfautl, BesserM and StuermerEK (2020) *Front. Microbiol.*11:564513. Doi: [10.3389/fmicb.2020.564513](https://doi.org/10.3389/fmicb.2020.564513)

Evaluación in vitro de antisépticos a base de Polihexanida, Octenidina y NaClO / HClO contra biofilm formado por patógenos de heridas 2021. Krasowski, G.; Junka, A.; Paleczny, J.; Czajkowska, J.; Makomaska-Szaroszyk, E.; Chodaczek, G.; Majkowski, M.; Migdał, P.; Fijałkowski,K.; Kowalska-Krochmal,B.; et al. 2021, 11, 62. <https://doi.org/10.3390/membranes11010062>

Análisis comparativo de modelos de biopelículas para determinar la eficacia de antimicrobianos. 2021. E.K. Stuermera,*; M. Besserb, F. Brillc, M. Geffkend, I. Plattfautb, A.L. Severingb, V. Wienkec, J.D. Rembebe, E.A. Naumovaf, A. Kampec, S. Debusa, R. Smeetsg. <https://doi.org/10.1016/j.ijheh.2021.113744>

Eficacia in vitro de apósitos de celulosa bacteriana quimiosorbidos con antisépticos contra biofilm formado por patógenos aislados de heridas crónicas. 2021. Dydak, K.; Junka, A.; Dydak, A.; Broz`yna, M.; Paleczny, J.;Fijałkowski, K.; Kubiela, G.; Aniołek,O.;Bartoszewicz, M. *Int. J. Mol. Sci.* 2021, 22, 3996. <https://doi.org/10.3390/ijms22083996>

El alto impacto del cultivo de biopelículas in vitro de S. Aureus sobre los resultados de la actividad antimicrobiana de antisépticos y antibióticos para heridas. 2021 Paleczny, J.; Junka, A.; Broz`yna, M.; Dydak, K.; Oleksy-Wawrzyniak, M.; Ciecholewska-Jusko,D.; Dziedzic, E.;Bartoszewicz, M. 2021, 10, 1385. <https://doi.org/10.3390/pathogens10111385>.

Effect of different wound rinsing solutions on MRSA biofilm in a porcine model. Perez R, Davies SC, Kaehn K.*WundM* 2010;4(2):44-48. December 2010 *Hygiene + Medizin* 35(12):464-468.

Efficacy of various wound irrigation solutions against biofilms. Seipp HM, Hofmann S, Hack A, Skowronsky A, Hauri A. *ZfW* 2005;4(5):160-163. Corpus ID 138860302

In-vitro test for comparing the efficacy of wound rinsing solutions. Kaehn K, Eberlein T.*Br J Nurs* 2009; 18(11):4-10. <https://doi.org/10.12968/bjon.2009.18sup4.42727>.

Intermittent exposure to wound irrigation solutions disrupts P. aeruginosa and S. aureus immature biofilms in-vitro. Lessing MC, McNulty AK. Wound Rep Reg 2012;20:A28.

Efectividad de una solución de irrigación de polihexanida en biofilms de staphylococcus aureus resistente a meticilina en un modelo de herida porcina. Stephen C Davis, Andrew Harding, Joel Gil, Fernando Parajon, Jose Valdes, Michael Solis, Alex Higa. DOI:10.1111/iwj.12734

Actividad comparativa de una solución de polihexanida-betaína contra las biopelículas producidas por bacterias multirresistentes pertenecientes a clones de alto riesgo J Machuca, R Lopez-Rojas, F Fernandez-Cuenca, Á Pascual. DOI:10.1016/j.jhin.2019.04.008

Effects of biguanides on the formation of streptococcal biofilms using a human embryo skin fibroblast cell culture model. Afinogenova AG, Grabovskaya KB, Kuleshevich EV, et al. Infections in Surgery 2011;1(9):5 –13.

Comparison of antibiofilm activity of low-concentrated hypochlorites vs polyhexanide containing Antiseptic. Justyna Paleczny, Adam Felix Junka¹, Paweł Krzyżek, Joanna Czajkowska, Axel Kramer, Hicham Benkhail⁴, Ewa Złotyńska-Zagrodzinska and Marzenna Bartoszewicz. Front. Cell. Infect. Microbiol. 13:1119188. Doi: 10.3389/fcimb.2023.1119188.2023

In Vitro Evaluation of Polihexanide, Octenidine and NaClO/HClO-Based Antiseptics against Biofilm Formed by Wound Pathogens. Krasowski, G.; Junka, A.; Paleczny, J.; Czajkowska, J.; Makomaska-Szaroszyk, E.; Chodaczek, G.; Majkowski, M.; Migdał, P.; Fijałkowski, K.; Kowalska-Krochmal, B.; et al. Membranes 2021, 11, 62. [https://doi.org/ 10.3390/membranes11010062](https://doi.org/10.3390/membranes11010062)

Modulador del pH en el microambiente de la herida

Evaluation of the Efficacy and Tolerability of a Solution Containing Propyl Betaine and Polihexanide for Wound Irrigation. Skin Pharmacol Physiol 2010. M. Romanelli, V. Dini, S Barbanera, M.S. Bertone. DOI:10.1159/000318266

Compatibilidad con Ag+

The use of Prontosan® in combination with Askina® Calgitrol®: An independent case series. Wounds International 2018 | Vol 9 Issue 1 | ©Wounds International 2018 | www.woundsinternational.com. Liezl Naude

Documento de Posicionamiento Tratamiento del biofilm. Unión Mundial de Sociedades de Cicatrización de Heridas (World Union of Wound Healing Societies, WUWHS). Wounds International 2016

Biocompatibilidad

Wound Cleaning and Wound Healing: A Concise Review. ADV SKIN WOUND CARE 2013;26:160Y3. Robert G. Wilkins, MBChB, FRCA, and Martin Unverdorben, MD, Ph. www.woundcarejournal.com

Evaluation of Toxic Side Effects of Clinically Used Skin Antiseptics In Vitro. Tobias Hirsch, M.D.*, Andreas Koerber, M.D., Frank Jacobsen, Ph.D., Joachim Dissemond, M.D., Journal of Surgical Research 164, 344–350 (2010) Doi:10.1016/j.jss.2009.04.029

PHMB and its potential contribution to wound management. David Gray*, Simon Barrett, MayukhBattacharyya, Martyn Butcher, Stuart Enoch. Wounds uk, 2010, Vol 6, No 2

Best practice guidelines for skin and wound care in epidermolysis bullosa. An International Consensus. DenyerJ, Pillay E, Clapham J. Wounds International 2017.

A retrospective systematic data review on the use of a polyhexanide containing product on burns in children Guido Ciprandi, Sharon Ramsayb, Ludmilla Budkevichc, Andreas Strackd, Petra van Capellene, Nicos Marathovouniotisf Journal of Tissue Viability 27 (2018) 244–248

"Qué no hacer en lesiones por presión en pediatría / neonatología: Recomendaciones basadas en la evidencia" García Molina, P; BargasMunárriz, M; FerreraFernández, MA; BalaguerLópez, E; Mora Morillo, IM; AvilésAvilés, JM; Rodríguez Dolz, MC; León Mangado, JA. Serie de Documentos Técnicos GNEAUPP N°XV. Grupo Nacional para el Estudio y Asesoramiento en Úlceras por Presión y Heridas Crónicas. 2021. ISBN-13:978-84-09-28229-6

Experiences in using polihexanide containing wound products in the management of chronic wounds – results of a methodical and retrospective analysis of 953 cases. Moeller A, Nolte A, Kaehn K. Wundmanagement 2008; 3:112-117.

Índice de biocompatibilidad de agentes antisépticos mediante evaluación paralela de actividad antimicrobiana y citotoxicidad celular. Gerald Müller, Axel Kramer. DOI:10.1093/jac/dkn125

Revisión sobre eficacia, seguridad y aplicaciones clínicas de polihexanida, un antiséptico moderno para Heridas. N-O Hübner, A Kramer. DOI:10.1159/000318264

Evaluación de la eficacia y la tolerabilidad de una solución que contiene propilbetaína y polihexanida para la irrigación de heridas. M Romanelli , V Dini , S Barbanera , M S Bertone. DOI:10.1159/000318266

Evaluation of Toxic Side Effects of Clinically Used Skin Antiseptics In Vitro. Tobias Hirsch, M. D, Andreas Koerber, M.D, Frank Jacobsen, Ph.D.2009

Acelera la Cicatrización-Reduce el dolor y elimina el olor

Polyhexamethylene biguanide and its antimicrobial role in wound healing: a narrative review. Mark G Rippon, Alan A Roger, Karen Ousey. Doi:10.12968/JOWC.2023.32.1.5

The Effectiveness of Topical Polyhexamethylene Biguanide (PHMB) Agents for the Treatment of Chronic Wounds: A Systematic Review Eliot To, Rebecca Dyck², Stephanie Gerber, Shauna Kadavil , Kevin Y Woo. Affiliations PMID: 27608742

Effect of a wound cleansing solution on wound bed preparation and inflammation in chronic wounds: a single-blind RCT, JOURNAL OF WOUND CARE VOL 25 , NO 3 , MARCH 2016 16160 Bellingeri, F. Falciani, P. Traspedini, Moscatelli, A. Russo, G. Tino, P. Chiari Doi:10.12968/jowc.2016.25.3.160

Assessment of a Wound cleansing solution in the treatment of problem wounds. WOUNDS 2008, 20 (6 171-175). Anneke, E. Andriessenand Thomas Eberlein. PMID 25942522

Evaluation of the Efficacy and Tolerability of a Solution Containing Propyl Betaine and Polihexanide for Wound Irrigation. M. Romanelli, V. Dini. Skin P. Physiol2010;23 (suppl1):41-44
DOI: 10.1159/000318266

Polyhexanide Versus Metronidazole for Odor Management in Malignant (Fungating) Wounds

A Double-Blinded, Randomized, Clinical Trial. Diana Lima Villela-Castro, Vera Lucia Conceição de Gouveia Santos, Kevin Woo <https://doi.org/10.1097/won.0000000000000460>

Addressing the challenge of wound cleansing in the modern era Keith F Cutting Article *in* British journal of nursing (Mark Allen Publishing). June 2010 DOI:10.12968/bjon.2010.19.Sup4.48423-Source:PubMed

Wound bed preparation: a case series using polyhexanide and betaine solution and gel—a UK perspective. Atkin L, Stephenson J, Cooper DM. J Wound Care. 2020 Jul 2;29(7):380–386. doi: 10.12968/jowc.2020.29.7.380. PMID: 32654602.

Calidad de vida–costo efectivo

Cost Effectiveness of PHMB betaine wound bed preparation compared with standard care in venous leg ulcers A cost utility analysis in the United Kingdom. Dawn M Cooper, Chris Bojke Pinaki Ghosh <https://doi.org/10.1016/j.jtv.2023.03.001>

Quality of life improvement in patients with hard to heal leg wounds treated with Prontosan wound irrigation solution and wound gel. Alisha Oropallo Robert J Snyder Angela Karpf Diana Valencia, Christopher R Curtin, and Wes Cetnarowski Journal of Wound Care 2021 30:10 854–865 <https://doi.org/10.12968/jowc.2021.30.10.854>

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