**Dermal Literature Review**

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Scientific Highlights:

Burn wound Infections (infections of or preventing infections)

1. Three-year epidemiology of hospitalised paediatric burn patients in a Malaysian Tertiary Hospital 2016 - 2018. (https://dx.doi.org/Unknown DOI)
2. Influence of ZnO Nanoparticles on the Properties of Ibuprofen-Loaded Alginate-Based Biocomposite Hydrogels with Potential Antimicrobial and Anti-Inflammatory Effects. (https://dx.doi.org/10.3390/pharmaceutics15092240)
3. CNP-miR146a Decreases Inflammation in Murine Acute Infectious Lung Injury. (https://dx.doi.org/10.3390/pharmaceutics15092210)
4. Demodex Species and Culturable Microorganism Co-Infestations in Patients with Blepharitis. (https://dx.doi.org/10.3390/life13091827)
5. Risk Factors and Pathogens of Wound Infection in Burn Inpatients from East China. (https://dx.doi.org/10.3390/antibiotics12091432)
6. Common Resistance Patterns in the Burn Unit of a Tertiary Care Center: A Retrospective Observational Study. (https://dx.doi.org/10.7759/cureus.43896)
7. Sprayed PAA-CaO(2) nanoparticles combined with calcium ions and reactive oxygen species for antibacterial and wound healing. (https://dx.doi.org/10.1093/rb/rbad071)
8. LYZ2-SH3b as a novel and efficient enzybiotic against methicillin-resistant Staphylococcus aureus. (https://dx.doi.org/10.1186/s12866-023-03002-9)
9. Two birds, one stone: Enhancement of flame retardancy and antibacterial property of viscose fabric using an aminoazole-based cyclotriphosphazene. (https://dx.doi.org/10.1016/j.ijbiomac.2023.126875)
10. Instant Protection Spray for Anti-Infection And Accelerated Healing of Empyrosis. (https://dx.doi.org/10.1002/adma.202306589)
11. Application of CRISPR-Cas system in the diagnosis and therapy of ESKAPE infections. (https://dx.doi.org/10.3389/fcimb.2023.1223696)
12. Microbiologic Analysis of Hand Infections: A Prospective Study. (https://dx.doi.org/10.1089/sur.2023.052)
13. PLA-HPG based coating enhanced anti-biofilm and wound healing of Shikonin in MRSA-infected burn wound. (https://dx.doi.org/10.3389/fbioe.2023.1243525)
14. Radiosterilized Pig Skin, Silver Nanoparticles and Skin Cells as an Integral Dressing Treatment for Burns: Development, Pre-Clinical and Clinical Pilot Study. (https://dx.doi.org/10.3390/pharmaceutics15082105)
15. Copper-based dressing: Efficacy in a wound infection of ex vivo human skin. (https://dx.doi.org/10.1016/j.tice.2023.102196)
16. Response on Article "A Sustained-Release Nanosystem with MRSA Biofilm-Dispersing and -Eradicating Abilities Accelerates Diabetic Ulcer Healing" [Response to Letter]. (https://dx.doi.org/10.2147/IJN.S434825)
17. Main Pathogens Causing Infections And Antibiotic Resistance Profile In Major Burns In Brazil Comparing Two Periods: 2015/2016 And 2019/2020. (https://dx.doi.org/10.1093/jbcr/irad123)
18. Clinical characteristics and homology analysis of Staphylococcus aureus from would infection at a tertiary hospital in southern Zhejiang, China. (https://dx.doi.org/10.1186/s12866-023-02921-x)
19. Analysis of povidone iodine, chlorhexidine acetate and polyhexamethylene biguanide as wound disinfectants: in vitro cytotoxicity and antibacterial activity. (https://dx.doi.org/10.1136/bmjnph-2022-000431)
20. Baicalin, silver titanate, Bletilla striata polysaccharide and carboxymethyl chitosan in a porous sponge dressing for burn wound healing. (https://dx.doi.org/10.1016/j.joim.2023.07.002)

Diabetic Foot Ulcers

1. Community-associated methicillin-resistant Staphylococcus aureus infection of diabetic foot ulcers in an eastern diabetic foot center in a tertiary hospital in China: a retrospective study. (https://dx.doi.org/10.1186/s12879-023-08631-z)
2. The impact of wound pH on the antibacterial properties of Medical Grade Honey when applied to bacterial isolates present in common foot and ankle wounds. An in vitro study. (https://dx.doi.org/10.1186/s13047-023-00653-9)
3. A fact-finding survey on pre-ulcerative lesions of foot in patients with diabetes: analysis using the Diabetes Study from the Center of Tokyo Women's Medical University 2018 (DIACET 2018). (https://dx.doi.org/10.1007/s13340-023-00649-7)
4. IWGDF/IDSA Guidelines on the Diagnosis and Treatment of Diabetes-related Foot Infections (IWGDF/IDSA 2023). (https://dx.doi.org/10.1093/cid/ciad527)
5. IWGDF/IDSA guidelines on the diagnosis and treatment of diabetes-related foot infections (IWGDF/IDSA 2023). (https://dx.doi.org/10.1002/dmrr.3687)
6. Clinical Efficacy of Hyaluronic Acid with Iodine in Hard-to-Heal Wounds. (https://dx.doi.org/10.3390/pharmaceutics15092268)
7. The Use of Medical Grade Honey on Infected Chronic Diabetic Foot Ulcers-A Prospective Case-Control Study. (https://dx.doi.org/10.3390/antibiotics12091364)
8. Impact of Psychological Distress on Physiological Indicators of Healing Prognosis in Patients with Chronic Diabetic Foot Ulcers: A Longitudinal Study. (https://dx.doi.org/10.1089/wound.2023.0043)
9. Human Wounds and its Burden: Updated 2022 Compendium of Estimates. (https://dx.doi.org/10.1089/wound.2023.0150)
10. The Ageing Foot. (https://dx.doi.org/10.1177/15347346231203279)
11. Postoperative Glycemic Response in High-Risk Type II Diabetics Receiving Below-Knee Amputation: Does Intraoperative Dexamethasone Make an Impact? (https://dx.doi.org/10.1053/j.jfas.2023.09.007)
12. Recent advances in 3D printed cellulose-based wound dressings: A review on in vitro and in vivo achievements. (https://dx.doi.org/10.1016/j.carbpol.2023.121298)
13. Analysis of risk factors of infection in diabetic foot patients. (https://dx.doi.org/10.1111/iwj.14411)
14. Identification of contributing factors, microorganisms and antimicrobial resistance involved in the complication of diabetic foot ulcer treatment. (https://dx.doi.org/10.1016/j.micpath.2023.106363)
15. Gentamicin-permeated cement to sustain mechanical support for the treatment of a chronic calcaneal abscess. A case report. (https://dx.doi.org/10.1016/j.ijscr.2023.108846)
16. Cerium oxide nanoparticles in diabetic foot ulcer management: Advances, limitations, and future directions. (https://dx.doi.org/10.1016/j.colsurfb.2023.113535)
17. Analysis of Lower Extremity Amputations from the SerbVasc Registry. (https://dx.doi.org/10.1177/15266028231199919)
18. Data-driven digital health technologies in the remote clinical care of diabetic foot ulcers: a scoping review. (https://dx.doi.org/10.3389/fcdhc.2023.1212182)
19. Comparative Efficacy of Conservative Surgery vs Minor Amputation for Diabetic Foot Osteomyelitis. (https://dx.doi.org/10.1177/10711007231194046)

Venous Leg Ulcers

1. Evolution of the Chronic Venous Leg Ulcer Microenvironment and Its Impact on Medical Devices and Wound Care Therapies. (https://dx.doi.org/10.3390/jcm12175605)
2. Implementing a new regimen to manage a difficult-to-heal lymphovenous leg ulcer. (https://dx.doi.org/10.12968/bjon.2023.32.15.S20)
3. Venous and lymphovenous lower limb wound outcomes in specialist UK wound and lymphoedema clinics. (https://dx.doi.org/10.12968/bjon.2023.32.15.S12)
4. Lower-Extremity Vascular Ulcers: Assessment and Approaches to Management. (https://dx.doi.org/10.1016/j.mcna.2023.05.003)
5. Dressings and topical agents containing hyaluronic acid for chronic wound healing. (https://dx.doi.org/10.1002/14651858.CD012215.pub2)
6. Nutritional Status of People with a Coexisting Chronic Wound and Extended Assessment Using Bioelectrical Impedance. (https://dx.doi.org/10.3390/nu15132869)
7. Clinical correlates of pain in adults with hard-to-heal leg ulcers: a cross-sectional study. (https://dx.doi.org/10.12968/jowc.2023.32.Sup6.S27)
8. Variations in land surface temperatures in small-scale urban areas in Vietnam during Covid-19 restrictions: Case studies from Da Nang, Hue and Vinh City. (https://dx.doi.org/10.1007/s10661-023-11332-4)
9. Venous, Arterial, and Neuropathic Leg Ulcers With Emphasis on the Geriatric Population. (https://dx.doi.org/10.7759/cureus.38123)
10. Ayurvedic management of venous ulcer - a case report. (https://dx.doi.org/10.1016/j.jaim.2023.100723)
11. A randomised controlled trial of compression therapies for the treatment of venous leg ulcers (VenUS 6): study protocol for a pragmatic, multicentre, parallel-group, three-arm randomised controlled trial. (https://dx.doi.org/10.1186/s13063-023-07349-2)
12. Comparison of Resting State Functional Connectivity in Persons With and Without HIV: A Cross-sectional Study. (https://dx.doi.org/10.1093/infdis/jiad180)
13. Do Commonly Used Antimicrobial Topicals Facilitate Venous Leg Ulcer Healing? (https://dx.doi.org/10.1097/01.ASW.0000926636.51805.d5)
14. Effect of melatonin and luzindole antagonist on fipronil toxicity, detoxification and antioxidant enzyme system in different tissues of Helicoverpa armigera (Lepidoptera: Noctuidae). (https://dx.doi.org/10.1016/j.envres.2023.116130)
15. The Role of Physical Therapies in Wound Healing and Assisted Scarring. (https://dx.doi.org/10.3390/ijms24087487)
16. Eradication of the nidus in arteriovenous malformations with a dominant outflow vein in the lower extremities using coils and absolute ethanol. (https://dx.doi.org/10.1016/j.jvsv.2022.10.019)
17. Defensins of Lucilia sericata Larvae and Their Influence on Wound Repair Processes in Practical Assessment-A Study of Three Cases. (https://dx.doi.org/10.3390/ijerph20075357)
18. International validation of a venous leg ulcer risk assessment tool. (https://dx.doi.org/10.12968/jowc.2023.32.4.229)
19. Prognostic factors for delayed healing of complex wounds in adults: A scoping review. (https://dx.doi.org/10.1111/iwj.14128)

Dermal Biofilms

1. The bioaccessibility of adsorped heavy metals on biofilm-coated microplastics and their implication for the progression of neurodegenerative diseases. (https://dx.doi.org/10.1007/s10661-023-11890-7)
2. Epidemiology of Mycobacterium abscessus. (https://dx.doi.org/10.1016/j.cmi.2023.08.035)
3. Metal-ruthenium complex based on dipyridylamine group as membrane-active antibacterial agent effectively decrease the development of drug-resistance on Staphylococcus aureus. (https://dx.doi.org/10.1016/j.jinorgbio.2023.112385)
4. A simplified bacterial community found within the epidermis than at the epidermal surface of atopic dermatitis patients and healthy controls. (https://dx.doi.org/10.1186/s12866-023-03012-7)
5. Antibacterial activity and antibacterial mechanism of flavaspidic acid BB against Staphylococcus haemelyticus. (https://dx.doi.org/10.1186/s12866-023-02997-5)
6. Plasma activated water as a pre-treatment strategy in the context of biofilm-infected chronic wounds. (https://dx.doi.org/10.1016/j.bioflm.2023.100154)
7. A Candida auris-specific adhesin, Scf1, governs surface association, colonization, and virulence. (https://dx.doi.org/10.1126/science.adf8972)
8. Biased eviction of variant histone H3 nucleosomes triggers biofilm growth in Candida albicans. (https://dx.doi.org/10.1128/mbio.02063-23)
9. Arginine Gemini-Based Surfactants for Antimicrobial and Antibiofilm Applications: Molecular Interactions, Skin-Related Anti-Enzymatic Activity and Cytotoxicity. (https://dx.doi.org/10.3390/molecules28186570)
10. The World's First Acne Dysbiosis-like Model of Human 3D Ex Vivo Sebaceous Gland Colonized with Cutibacterium acnes and Staphylococcus epidermidis. (https://dx.doi.org/10.3390/microorganisms11092183)
11. Epinephrine Affects Ribosomes, Cell Division, and Catabolic Processes in Micrococcus luteus Skin Strain C01: Revelation of the Conditionally Extensive Hormone Effect Using Orbitrap Mass Spectrometry and Proteomic Analysis. (https://dx.doi.org/10.3390/microorganisms11092181)
12. Dermato-cosmeceutical properties of Pseudobombax ellipticum (Kunth) Dugand: Chemical profiling, in vitro and in silico studies. (https://dx.doi.org/10.1016/j.jsps.2023.101778)
13. Are antibiotics still relevant in acne? A review of the therapeutic conundrum. (https://dx.doi.org/10.1111/ijd.16854)
14. Biofilm Models: Different Ways of Biofilm Characterization and Drug Discovery. (https://dx.doi.org/10.1002/cpz1.894)
15. Microbiota of long-term indwelling hemodialysis catheters during renal transplantation perioperative period: a cross-sectional metagenomic microbial community analysis. (https://dx.doi.org/10.1080/0886022X.2023.2256421)
16. Attenuation of NLRP3 Inflammasome by Cigarette Smoke is Correlated with Decreased Defense Response of Oral Epithelial Cells to Candida albicans. (https://dx.doi.org/10.2174/1566524023666230612143038)
17. Molecular docking analysis of juglone with parvulin-type PPiase PrsA from Staphylococcus aureus. (https://dx.doi.org/10.6026/97320630019048)
18. Characteristics of Biofilm-Forming Ability and Antibiotic Resistance of Cutibacterium acnes and Staphylococcus epidermidis from Acne Vulgaris Patients. (https://dx.doi.org/10.2147/CCID.S422486)
19. Development of Green-Synthesized Carbon-Based Nanoparticle for Prevention of Surface Wound Biofilm. (https://dx.doi.org/10.1007/s12010-023-04695-4)

Atopic Dermatitis & SA

1. Bleach baths enhance skin barrier, reduce itch but do not normalize skin dysbiosis in atopic dermatitis. (https://dx.doi.org/10.1007/s00403-023-02723-1)
2. S. aureus virulence factors decrease epithelial barrier function and increase susceptibility to viral infection. (https://dx.doi.org/10.1128/spectrum.01684-23)
3. Neutrophil extracellular traps enhance S. aureus skin colonization by oxidative stress induction and downregulation of epidermal barrier genes. (https://dx.doi.org/10.1016/j.celrep.2023.113148)
4. Therapeutic potential of ozone water treatment in alleviating atopic dermatitis symptoms in mouse models: Exploring its bactericidal and direct anti-inflammatory properties. (https://dx.doi.org/10.1016/j.intimp.2023.110920)
5. The immunological and structural epidermal barrier dysfunction and skin microbiome in atopic dermatitis-an update. (https://dx.doi.org/10.3389/fmolb.2023.1159404)
6. Photoactivated Gallium Porphyrin Reduces Staphylococcus aureus Colonization on the Skin and Suppresses Its Ability to Produce Enterotoxin C and TSST-1. (https://dx.doi.org/10.1021/acs.molpharmaceut.3c00399)
7. Temporal relationships between Staphylococcus aureus colonization, filaggrin expression, and pediatric atopic dermatitis. (https://dx.doi.org/10.1111/all.15871)
8. History of S. aureus Skin Infection Significantly Associates with History of Eczema Herpeticum in Patients with Atopic Dermatitis. (https://dx.doi.org/10.1007/s13555-023-00996-y)
9. Staphylococcus epidermidis activates keratinocyte cytokine expression and promotes skin inflammation through the production of phenol-soluble modulins. (https://dx.doi.org/10.1016/j.celrep.2023.113024)
10. Recurrent staphylococcal scalded skin syndrome in a 20-month old-A case report. (https://dx.doi.org/10.1002/ccr3.7805)
11. Emerging Trends and Focus in Human Skin Microbiome Over the Last Decade: A Bibliometric Analysis and Literature Review. (https://dx.doi.org/10.2147/CCID.S420386)
12. Spinal cord injury as a result of Staphylococcus aureus pyogenic spinal infection complicating infected atopic eczema: two case reports. (https://dx.doi.org/10.1038/s41394-023-00599-x)
13. Multilocus-sequence typing reveals clonality of Staphylococcus aureus in atopic dermatitis. (https://dx.doi.org/10.1093/ced/llad262)
14. Combining 16S Sequencing and qPCR Quantification Reveals Staphylococcus aureus Driven Bacterial Overgrowth in the Skin of Severe Atopic Dermatitis Patients. (https://dx.doi.org/10.3390/biom13071030)
15. The association between S. aureus colonization on cheek skin at 2 months and subsequent atopic dermatitis in a prospective birth cohort. (https://dx.doi.org/10.1093/bjd/ljad249)
16. The role of bacterial colonisation in severity, symptoms and aetiology of hand eczema: The importance of Staphylococcus aureus and presence of commensal skin flora. (https://dx.doi.org/10.1111/cod.14384)
17. Effect of sphingosine and inoculum concentrations on Staphylococcus aureus and Staphylococcus epidermidis biofilms. (https://dx.doi.org/10.1080/08927014.2023.2236584)

Dermal Fungal

1. A biomimetic multi-layer scaffold with collagen and zinc doped bioglass as a skin-regeneration agent in full-thickness injuries and its effects in vitro and in vivo. (https://dx.doi.org/10.1016/j.ijbiomac.2023.127163)
2. Chlorhexidine-Silver Nanoparticle Conjugation Leading to Antimicrobial Synergism but Enhanced Cytotoxicity. (https://dx.doi.org/10.3390/pharmaceutics15092298)
3. A Sustainable, Green-Processed, Ag-Nanoparticle-Incorporated Eggshell-Derived Biomaterial for Wound-Healing Applications. (https://dx.doi.org/10.3390/jfb14090450)
4. A prospective randomized clinical trial to assess antibiotic pocket irrigation on tissue expander breast reconstruction. (https://dx.doi.org/10.1128/spectrum.01430-23)
5. Antioxidant activity of mycelia methanolic extracts of endophytic fungi BvFV and BvFIX isolated from leaves of Bauhinia variegata. (https://dx.doi.org/10.3389/ffunb.2022.1048734)
6. Anti-inflammatory, antioxidant and photoprotective activity of standardised Gaultheria procumbens L. leaf, stem, and fruit extracts in UVA-irradiated human dermal fibroblasts. (https://dx.doi.org/10.1016/j.jep.2023.117219)
7. The cancer-associated glycan polysialic acid is dysregulated in systemic sclerosis and is associated with fibrosis. (https://dx.doi.org/10.1016/j.jaut.2023.103110)
8. Assessment of treatment outcomes of visceral leishmaniasis (VL) treated cases and impact of COVID-19 on VL management and control services in Bangladesh. (https://dx.doi.org/10.1016/j.jiph.2023.09.003)
9. Formulation and optimization of lipid- and Poloxamer-tagged niosomes for dermal delivery of terbinafine: preparation, evaluation, and inÂ vitro antifungal activity. (https://dx.doi.org/10.1080/10837450.2023.2255889)
10. The Role of Box A of HMGB1 in Enhancing Stem Cell Properties of Human Mesenchymal Cells: A Novel Approach for the Pursuit of Anti-aging Therapy. (https://dx.doi.org/10.21873/invivo.13298)
11. Mycelium-based biomaterials as smart devices for skin wound healing. (https://dx.doi.org/10.3389/fbioe.2023.1225722)
12. Amicrobial pustulosis of the folds: A case report of a rare variant of neutrophilic dermatosis associated with systemic lupus erythematosus. (https://dx.doi.org/10.1111/cup.14508)
13. Biosynthesis, characterization, and investigation of antimicrobial and cytotoxic activities of silver nanoparticles using Solanum tuberosum peel aqueous extract. (https://dx.doi.org/10.1016/j.heliyon.2023.e19061)
14. Atypical fibroxanthoma and pleomorphic dermal sarcoma: Local recurrence and metastasis in a nationwide population-based cohort of 1118 patients. (https://dx.doi.org/10.1016/j.jaad.2023.08.050)
15. From In Silico Simulation between TGF-Î² Receptors and Quercetin to Clinical Insight of a Medical Device Containing Allium cepa: Its Efficacy and Tolerability on Post-Surgical Scars. (https://dx.doi.org/10.3390/life13081781)
16. Ceramide synthesis regulates biogenesis and packaging of exosomal MALAT1 from adipose derived stem cells, increases dermal fibroblast migration and mitochondrial function. (https://dx.doi.org/10.1186/s12964-022-00900-9)
17. Cell culture media dependent in vitro dynamics and culture characteristics of adult caprine dermal fibroblast cells. (https://dx.doi.org/10.1038/s41598-023-38634-4)
18. Anticandidal Cu(I) complexes with neocuproine and 1-(4-methoxyphenyl)piperazine based diphenylaminomethylphosphine: Is Cu-diimine moiety a pharmacophore? (https://dx.doi.org/10.1016/j.jinorgbio.2023.112355)
19. Slit-skin smear in post kala-azar dermal leishmaniasis and leprosy: How a negative report for Leishman-Donovan bodies in Giemsa stain may indicate leprosy. (https://dx.doi.org/10.1016/j.jdin.2023.06.007)
20. Therapeutic Applications of Essential Oils from Native and Cultivated Ecuadorian Plants: Cutaneous Candidiasis and Dermal Anti-Inflammatory Activity. (https://dx.doi.org/10.3390/molecules28155903)

Competitors

1. Structure and Function of theÂ Î±-Hydroxylation Bimodule of the Mupirocin Polyketide Synthase. (https://dx.doi.org/10.1002/anie.202312514)
2. Prevalence and Characterization of Staphylococcus aureus Isolated from Retail Raw Milk Samples in Chennai, India. (https://dx.doi.org/10.1089/fpd.2023.0050)
3. Genetic diversity of Staphylococcus aureus isolated from ear infections in Iran: Emergence of CC8/ST239-SCCmec III as major genotype. (https://dx.doi.org/10.1556/030.2023.02081)
4. Topical antibiotics prophylaxis for infections of indwelling pleural/peritoneal catheters (TAP-IPC): A pilot study. (https://dx.doi.org/10.1111/resp.14595)
5. Formulation and Characterization of Mupirocin Nanomicelles in Insulin-Based Gel for Dermatological Application. (https://dx.doi.org/10.4103/jpbs.jpbs\_172\_23)
6. Antibiotic hyper-resistance in a class I aminoacyl-tRNA synthetase with altered active site signature motif. (https://dx.doi.org/10.1038/s41467-023-41244-3)
7. Identification of Vancomycin Resistance in Methicillin-resistant Staphylococcus aureus in two macaque species and decolonization and long-term prevention of recolonization in Cynomolgus Macaques (Macaca fascicularis). (https://dx.doi.org/10.3389/fimmu.2023.1244637)
8. Mupirocin loaded core-shell pluronic-pectin-keratin nanofibers improve human keratinocytes behavior, angiogenic activity and wound healing. (https://dx.doi.org/10.1016/j.ijbiomac.2023.126700)
9. An antibacterial Multi-Layered scaffold fabricated by 3D printing and electrospinning methodologies for skin tissue regeneration. (https://dx.doi.org/10.1016/j.ijpharm.2023.123357)
10. Prevention of ICU-acquired infection with decontamination regimen in immunocompromised patients: a pre/post observational study. (https://dx.doi.org/10.1007/s10096-023-04650-5)
11. Comparison of Disk Diffusion and Agar Dilution Method for the Detection of Mupirocin Resistance in Staphylococcal Isolates from Skin and Soft Tissue Infections. (https://dx.doi.org/10.1055/s-0042-1760672)
12. Induced Fit Describes Ligand Binding to Membrane-Associated Cytochrome P450 3A4. (https://dx.doi.org/10.1124/molpharm.123.000698)
13. Impact of Bundled Intervention on Outcomes of Patients Undergoing Clean Orthopedic Surgeries With Hardware Implants: Small Prospective Randomized Controlled Trial. (https://dx.doi.org/10.1089/sur.2023.119)
14. Efficacy of a Novel Antibacterial Agent Exeporfinium Chloride, (XF-73), Against Antibiotic-Resistant Bacteria in Mouse Superficial Skin Infection Models. (https://dx.doi.org/10.2147/IDR.S417231)
15. Antibiotic susceptibility and clonal distribution of Staphylococcus aureus from pediatric skin and soft tissue infections: 10-year trends in multicenter investigation in China. (https://dx.doi.org/10.3389/fcimb.2023.1179509)
16. Antimicrobial resistome of coagulase-negative staphylococci from nasotracheal cavities of nestlings of Ciconia ciconia in Southern Spain: Detection of mecC-SCCmecÂ type-XI-carrying S. lentus. (https://dx.doi.org/10.1016/j.cimid.2023.102012)
17. Associated Outcomes of Different Intravenous Antibiotics Combined with 2% Mupirocin Ointment in the Treatment of Pediatric Patients with Staphylococcal Scalded Skin Syndrome. (https://dx.doi.org/10.2147/CCID.S417764)
18. Conservative Management of a Rare Entity-Aplasia Cutis Congenita: A Case Report. (https://dx.doi.org/10.1097/PSN.0000000000000511)
19. Mupirocin enhances the biofilm formation of Staphylococcus epidermidis in an atlE-dependent manner. (https://dx.doi.org/10.1016/j.ijantimicag.2023.106904)
20. Dressings for Wound Infection Prophylaxis in Colorectal Surgery: A Review. (https://dx.doi.org/10.52198/23.STI.42.GS1697)
21. Lupus Erythematosus Profundus with Multiple Overlying Cutaneous Ulcerations: A Rare Case. (https://dx.doi.org/10.2147/CCID.S430068)

Dressings

1. A Smart Stimulation-Deadhesion And Antimicrobial Hydrogel for Repairing Diabetic Wounds Infected with Methicillin-Resistant Staphylococcus Aureus. (https://dx.doi.org/10.1002/adhm.202303042)
2. Near-Infrared-Induced NO-Releasing Photothermal Adhesive Hydrogel with Enhanced Antibacterial Properties. (https://dx.doi.org/10.1021/acsabm.3c00517)
3. 2D foam film coating of antimicrobial lysozyme amyloid fibrils onto cellulose nanopapers. (https://dx.doi.org/10.1039/d3na00370a)
4. Antibacterial Activity and Biocompatibility of Ag-Montmorillonite/Chitosan Colloidal Dressing in a Skin Infection Rat Model: An In Vitro and In Vivo Study. (https://dx.doi.org/10.3390/jfb14090470)
5. Bioinspired 3D-printed scaffold embedding DDAB-nano ZnO/nanofibrous microspheres for regenerative diabetic wound healing. (https://dx.doi.org/10.1088/1758-5090/acfd60)
6. Biologically Derived Nanoarchitectonic Coatings for the Engineering of Hemostatic Needles. (https://dx.doi.org/10.1021/acs.biomac.3c00791)
7. Chitosan/silkÂ fibroinÂ nanofibers-basedÂ hierarchicalÂ spongesÂ accelerateÂ infectedÂ diabeticÂ woundÂ healingÂ viaÂ aÂ HClOÂ self-producingÂ cascadeÂ catalyticÂ reaction. (https://dx.doi.org/10.1016/j.carbpol.2023.121340)
8. Superhydrophilic Poly(2-hydroxyethyl methacrylate) Hydrogel with Nanosilica Covalent Coating: A Promising Contact Lens Material for Resisting Tear Protein Deposition and Bacterial Adhesion. (https://dx.doi.org/10.1021/acsbiomaterials.3c00856)
9. Tannin-Assisted Synthesis of Nanocomposites Loaded with Silver Nanoparticles and Their Multifunctional Applications. (https://dx.doi.org/10.1021/acs.biomac.3c00737)
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Guidelines

1. Bleach baths enhance skin barrier, reduce itch but do not normalize skin dysbiosis in atopic dermatitis. (https://dx.doi.org/10.1007/s00403-023-02723-1)
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Other news of possible interest