**Dermal Literature Review**

**Period: 01/04/2025 – 01/05/2025**

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Scientific Highlights:

Burn wound Infections (infections of or preventing infections)

1. Temperature-Programmable Deformable Microneedles for Scar-Free Healing of Infective Wounds via Sensory Nerve Regeneration.
2. Epidemiology and Outcomes of Bloodstream Infections in Patients in a Burns Intensive Care Unit: An 8-Year Retrospective Study.
3. Chitosan hydrogels loaded with Cu(3)SnS(4) NSs for the treatment of second-degree burn wounds.
4. Preparation and assessment of polylactic acid-curcumin nanofibrous wound dressing containing silver nanoparticles for burn wound treatment.
5. Naringenin loaded nanomicelles effect on second-degree burn in Balb/c mice: A promising formulation for wound healing.
6. Unveiling the potential antibacterial action of acetylcysteine for managing Staphylococcus aureus wound infections: in vitro and in vivo study.
7. Breaking the cycle: a comprehensive exploration of topical steroid addiction and withdrawal.
8. One-pot method to prepare the guar gum hydrogel dressing and its application in wound repair.
9. A multifunctional trap-capture-kill antibacterial system for enhanced wound healing via modified decellularized mushroom aerogels.
10. Hydrogel Containing Biogenic Silver Nanoparticles and Origanum vulgare Essential Oil for Burn Wounds: Antimicrobial Efficacy Using Ex Vivo and In Vivo Methods Against Multidrug-Resistant Microorganisms.
11. Multi-functional cotton fabric-based dressing for burn wounds: Integration of rGO/Polydopamine/Ag composite aerogel for enhanced wound healing.
12. Dopamine-alginate-zinc ion dressings employing synergistic active and passive antimicrobial strategies for enhanced burn wound infection management and accelerated healing.

Diabetic Foot Ulcers

1. Geographic Region and Insurance Status Predict Access to Salvage Procedures for Diabetic Lower-Extremity Wounds in the United States.
2. Case series 2.
3. Role of therapeutic treatment with antiseptic solutions in the care of diabetic foot ulcers.
4. Anomalous dual posterior tibial arteries.
5. Case series 3.
6. Case series 4.
7. Intervention effects of low-level laser therapy (LLLT) on grade I-II ulcers in diabetic foot patients: A meta-analysis.
8. Diabetic Foot Infections.
9. Plasma vitamin D status and its association with biochemical, clinical and humanistic outcomes in diabetic foot infection patients: a prospective observational study in a tertiary healthcare facility.
10. Immunomarker profiling in human chronic wound swabs reveals IL-1 beta/IL-1RA and CXCL8/CXCL10 ratios as potential biomarkers for wound healing, infection status and regenerative stage.
11. Exploring the Relationship Between SVS WIfI and IWGDF Scoring Systems and Reamputation Risk in Patients With Diabetic Foot and Peripheral Artery Disease.
12. Disrupting antimicrobial resistance: unveiling the potential of vitamin C in combating biofilm formation in drug-resistant bacteria.
13. Are Deep Tissue Cultures a Reliable Alternative to Bone Biopsy for Diagnosing Diabetic Foot Osteomyelitis? A Comparative Diagnostic Study.
14. The Performance of Gram-Staining in Tailoring the Empirical Antibiotic Choice in Operated Diabetic Foot Infections.
15. Association between tinea pedis and foot care factors in patients with diabetes.
16. Debridement - how efficient can a wound dressing be? The answer from a large prospective observational study.
17. Rethinking mildly infected diabetic foot ulcers: lessons from Gleason and cancer taxonomy.
18. Treating diabetic foot ulcers with antimicrobial wound dressing impregnated with dialkylcarbamoyl chloride.
19. The Diabetic Foot Wounds and Infections: Turkish Consensus Report, 2024.
20. Fish Skin Acellular Dermal Matrix Combined With Negative Pressure Wound Therapy for Diabetic Foot Ulcers.
21. A review of advancements in antiseptics for wound care in diabetic and non-diabetic patients.
22. Improving Microcirculation With Nerve Decompression: The Missing Link in Treatment of Diabetic Neuropathy and Diabetic Foot Ulcer.
23. A real-world multicenter cross-sectional observational study to assess the clinical profile of peripheral neuropathy in patients with diabetes.
24. Low Serum Uric Acid Levels are Associated with Severe Diabetic Foot Infection: A Cross-Sectional Study from China.
25. Evaluating the Effectiveness and Safety of Theruptor Novo Dressing Pad in Managing Diabetic Foot Ulcer: A Prospective Study.
26. Antibacterial Properties of Polymeric Membranes Containing Doxycycline for Potential Applications in Foot Ulcer Treatment.
27. Descriptive Analysis of Anatomical Location and Metabolic and Microbiological Factors in Diabetic Foot (DF) Treated at a DF Specialty Tertiary Care Hospital With a Multidisciplinary Approach.
28. RETRACTION: The Efficacy and Safety of Non-Surgical Treatment of Diabetic Foot Wound Infections and Ulcers: A Systemic Review and Meta-Analysis.
29. Nocardia brasiliensis in diabetic foot abscess: A rare case report.
30. Exploring the Impact of Diabetes on Kidney Transplant: Patient Outcomes and Management Strategies.
31. A Novel Scoring System for Predicting Mortality, Morbidity, and Functional Outcomes in Patients Following Below-Knee Amputation: A Retrospective Study.
32. Bacteriological Profile of Diabetic Foot Ulcer With Special Reference to Biofilm Formation.
33. RETRACTION: Analysis of Risk Factors of Infection in Diabetic Foot Patients.
34. Investigating the Prevalence of Fungi in Diabetic Ulcers: An Under-Recognised Contributor to Polymicrobial Biofilms.
35. Providencia pseudovermicola sp. nov.: redefining Providencia vermicola and unveiling multidrug-resistant strains from diabetic foot ulcers in Egypt.
36. Hypoxia-Driven Neurovascular Impairment Underlies Structural-Functional Dissociation in Diabetic Sudomotor Dysfunction.
37. Peritoneal dialysis in congestive heart failure: reflections from a patient with arrhythmogenic right ventricular cardiomyopathy.
38. Forefoot Surgery for the Management of Diabetes-Related Foot Infections.
39. Multidisciplinary Approach to Midfoot Charcot Neuro-Osteoarthropathy: A Case Series.
40. Global Trends in Diabetic Foot Research (2004-2023): A Bibliometric Study Based on the Scopus Database.
41. A discharge planning program to prevent infection among patients with diabetic foot ulcers in Taiwan: A randomized controlled trial study.
42. Ipsilateral third amputation following lower extremity index amputation for diabetic foot infection.
43. Outcomes of Tibiotalocalcaneal (TTC) Nailing in Ankle Fractures in Diabetic Patients with Charcot Neuroarthropathy.
44. Outcomes of tibiotalocalcaneal (TTC) nailing in ankle fractures in diabetic patients with Charcot neuropathy.
45. Histopathology is More Reliable Than Microbiology for Detecting Residual Osteomyelitis After Conservative Surgery for Diabetic Foot: The Pitfall of False-Positive Cultures and the Role of Pseudomonas aeruginosa.
46. Impact of Podiatric Surveillance on Amputation Rates in Patients with Diabetes and Chronic Kidney Disease.
47. Platelet-rich plasma as a potential antimicrobial agent against multidrug-resistant bacteria in diabetic foot infections.
48. Risk factors affecting the development of adverse outcomes in patients with diabetic foot infection.
49. Association of Magnetic Resonance Imaging-Guided Management With Reamputation Rates in Diabetic Foot Osteomyelitis.
50. Incidence of acute Charcot foot in patients with diabetes.

Venous Leg Ulcers

Dermal Biofilms

1. Luteolin loaded PEGylated cerosomes: a novel treatment for MRSA skin infections.
2. Fabrication and characterization of a multifunctional hyaluronic acid-based microneedle system for diabetic wound healing.
3. Biologic Response With and Without Acellular Dermal Matrix in Breast Reconstruction.
4. Targeting Chronic Biofilm Infections With Patient-derived Phages: An In Vitro and Ex Vivo Proof-of-concept Study in Patients With Left Ventricular Assist Devices.
5. Aldehyde-modified sodium alginate/gelatin-based bacteriophage-loaded multifunctional hydrogel for promoting the healing of multidrug-resistant bacterial-infected wounds.
6. Effects of a Moisturizer Containing Colloidal Oatmeal and Filaggrin Technology on Staphylococcus Species In Vitro.
7. Intervention of Corynebacterium striatum in the sessile lifestyle of Staphylococcus aureus wild-type and mutants for ica genes in polymicrobial biofilms.
8. Disruption of MRSA Biofilm and Virulence by Deep-Sea Probiotics: Impacts on Energy metabolism and Host Antimicrobial Peptides.
9. Organotypic Tissue Model Systems for Investigating Host-Pathogen Interactions In Vitro.
10. The relationship between the skin microbiome and probiotics in the healing of burn injuries.
11. SAAP-148 and halicin exhibit synergistic antimicrobial activity against antimicrobial-resistant bacteria in skin but not airway epithelial culture models.
12. GSH-Triggered Nitric Oxide Release from Polyurethane Nanocarriers for Gas-Photothermal Synergistic Therapy of Bacterial-Infected Wounds.
13. Genotypic and phenotypic characterization of virulence in methicillin resistant Staphylococcus aureus isolated from a local hospital of Ahmedabad, Gujarat, India.
14. A biofilm-targeting lipo-peptoid to treat Pseudomonas aeruginosa and Staphylococcus aureus co-infections.
15. In vitro wound healing effects of postbiotics derived from the gut microbiota of long-lived blind mole rats, a model of healthy ageing.
16. A dynamically phase-adaptive regulating hydrogel promotes ultrafast anti-fibrotic wound healing.
17. Successful Treatment of Delayed Onset Nodules After Dermal Fillers Injection with Abrocitinib: A Case Report.
18. Cascade reaction hydrogel with enzyme-catalyzed endogenous glucose for diabetic wound healing.
19. Antimicrobial Peptide Developed with Machine Learning Sequence Optimization Targets Drug Resistant Staphylococcus aureus in Mice.
20. Regulatory roles of an sRNA derived from the 5´ UTR and sequence internal to lapA in Pseudomonas aeruginosa PAO1.
21. Formulation and Characterization of Teicoplanin Niosomal Gel for Healing Chronic Wounds Infected with Methicillin-Resistant Staphylococcus aureus (MRSA).
22. Synergistic healing of diabetic wounds through photothermal and peroxidase-like activity of heterogeneous Bi(2)S(3)/Au nanoparticles.
23. Antiparasitic and antimicrobial activity of Ipomoea palmata against Toxoplasma gondii and Staphylococcus aureus: correlation with major phenolics identified by HPLC.
24. Saponin Improves Recovery of Bacteria from Orthopaedic Implants for Enhanced Diagnosis Ex Vivo.
25. Resistance Genes and Virulence Factor Genes in Coagulase-Negative and Positive Staphylococci of the Staphylococcus intermedius Group (SIG) Isolated from the Dog Skin.
26. Ripening-Related Changes in Color and Bioactive Compounds of Diospyros kaki: Preliminary Insights on Its Antifungal Activity.
27. Biocide Susceptibility and Resistance Genes in Udder Surface Staphylococcus from Indian Peri-Urban Dairy Farms.
28. In vitro antimicrobial photodynamic therapy for methicillin-resistant Staphylococcus aureus using flexible organic light-emitting diode.
29. Discovery and Optimisation of Novel Bombinin-Derived Peptides from Bombina variegata against Staphylococcus aureus.
30. Promising Antimicrobial Activities of Essential Oils and Probiotic Strains on Chronic Wound Bacteria.
31. Unlocking the Skin-Protective Effects of Ferulago spp. Essential Oils: A Focus on Antidermatophytic and Wound-Healing Potential.
32. Frog Skin Peptides Hylin-a1, AR-23, and RV-23: Promising Tools Against Carbapenem-Resistant Escherichia coli and Klebsiella pneumoniae Infections.

Atopic Dermatitis & SA

1. Severe Atopic Dermatitis: Clinical Confusion With Hyper IgE Syndrome.
2. Skin Microbiome Dynamics in Atopic Dermatitis: Understanding Host-Microbiome Interactions.
3. Ligilactobacillus salivarius Lac45 inhibits MRSA and suppresses inflammation in human keratinocyte.
4. Investigating the Effect of Enzymatically-Derived Blackcurrant Extract on Skin Staphylococci Using an In Vitro Human Stratum Corneum Model.
5. A Case of Cutaneous Fungal Infection Following the Administration of Dupilumab.
6. The Western Diet and Atopic Dermatitis: The Potential Role of Nutrients, Contaminants, and Additives in Dysbiosis and Epithelial Barrier Dysfunction.

Dermal Fungal

1. Association of Obesity and Innate Immune Markers With Resistance to Biologic Therapy in Psoriasis.
2. A Unique Case of Disseminated Cutaneous Coccidioidomycosis Years After Initial Infection.
3. Rediscovery of viomellein as an antibacterial compound and identification of its biosynthetic gene cluster in dermatophytes.
4. Mode of action approach supports a lack of carcinogenic potential of six organic UV filters.
5. Psychological stress increases skin infection through the action of TGFβ to suppress immune-acting fibroblasts.
6. The potential of Leishmania donovani Aurora kinase in the diagnosis of Indian and Brazilian visceral leishmaniasis patients.
7. Near-infrared spectroscopy as a diagnostic screening tool for lethal chytrid fungus in eastern newts.
8. Protein-S-nitrosylation of human cytomegalovirus pp65 reduces its ability to undermine cGAS.
9. Microfibril-Associated Protein 5 Contributes to the Elastic Fiber Abnormalities in Aged Skin.
10. Unraveling the interplay between mesenchymal stem cells, gut microbiota, and systemic sclerosis: therapeutic implications.
11. Optimization of LCD-Based 3D Printing for the Development of Clotrimazole-Coated Microneedle Systems.
12. Enhanced Translational Activity Is Linked to Lymphatic Endothelial Cell Activation in Cutaneous Leishmaniasis.
13. Lumpy skin disease virus suppresses the antiviral response of bovine peripheral blood mononuclear cells that support viral dissemination.
14. Single-Cell Profiling Reveals Global Immune Responses During the Progression of Murine Epidermal Neoplasms.
15. The Emerging Fungal Pathogen Candida auris Induces IFNγ to Colonize the Skin.

Competitors

1. Synthetic biology routes to new and extinct natural products.
2. Competing Interests: Vancomycin Use in Trauma Patients is Similar During Methicillin-Resistant Staphylococcus aureus Nasal Swab Based De-Escalation and Universal Mupirocin Decolonization Protocols.
3. Pathogen-targeting biomineralized bacterial outer membrane vesicles for eradicating both intracellular and extracellular Staphylococcus aureus.
4. Prevalence, antibiogram, and risk factors of methicillin-resistant Staphylococcus aureus (MRSA) asymptomatic carriage in Africa: a systematic review and meta-analysis.
5. Pd@Au Nanoframe Hydrogels for Closed-Loop Wound Therapy.
6. Ozenoxacin 1% in Pediatric and Adult Patients with Impetigo: A Meta-Analysis of Randomized Trials.
7. Emergence of ST3390: A non-pigmented HA-MRSA clone with enhanced virulence.

Dressings

1. Antibacterial properties of folic acid-based hydrogel loaded with CeCDs and its potential application in food preservation.
2. Regenerating Family Protein 3α-Loaded Responsive Hydrogel Accelerates Infected Diabetic Wound Healing.
3. Nanozyme based ultra-stretchable, low-hysteresis, and dual-mode antibacterial composite hydrogels for wound healing.
4. An Injectable, Self-Adaptive Hydrogel with Metallic-Functionalized Metal Organic Frameworks for Enhanced Wound Healing in Dynamic Infectious and Inflammatory Microenvironment.
5. Near-infrared light-triggered silk fibroin hydrogels integrated with polydopamine-modified nanoparticles for enhanced wound healing and infection control.
6. Biocompatible Discopodium penninervium loaded chitosan-PVA electrospun fibrous scaffold wound dressing.
7. Antimicrobial NIR-Responsive Hydrogels Based on Gellan Gum and Bis-MPA Polyester Dendrimers.
8. A self-adaptive adhesive, mechanically enhanced, and antibacterial non-woven fabric wound dressing functionalized by a semi-interpenetrating network hydrogel for promoting infected wound healing.
9. Methacryloylated chitosan hydrogel-mediated polyphenol-Ga/hUCMSC-Exo release platform: Possessing antibacterial, anti-inflammatory, and osteogenic capabilities.
10. Efficient dye removal and antibacterial activity of imidazole-crosslinked chitosan hydrogel for wastewater treatment.
11. Exudate management nonwovens loaded with Cirsium japonicum DC extract for enhanced hemostatic and wound healing.
12. Green synthesis of AgNPs and their application in chitosan/polyvinyl alcohol/AgNPs composite sponges with efficient antibacterial activity for wound healing.
13. Development of Biginelli-based ZnO-coupled carbomer-gel-coated wound dressing gauze with enhanced antibacterial activity.
14. Preparation and characterization of nano-silver/graphene oxide antibacterial skin dressing.
15. Artificial multienzyme nanoflower composite hydrogel for efficiently promoting MRSA-infected diabetic wound healing via glucose-activated NO releasing and microenvironment regulation.
16. Electrochemical β-lactamase immunostrip sensor with 3D hydrogel-paper scaffold for rapid detection & post-antibiotic therapy monitoring in drug-resistant bloodstream infections.
17. Chitosan-capped TiO(2) hybrid nanomaterials for antibacterial and photocatalytic application of crystal violet.
18. Electrospun polycaprolactone coated with gum tragacanth containing layered double hydroxide/thymol nanohybrid for wound dressing application.
19. Carboxymethyl bacterial cellulose electrospun nanofibers loaded with zinc oxide nanoparticles and polyhexamethylene biguanide for wound healing promotion.
20. Advanced nanofibers integrating vitamin D3 and cerium oxide nanoparticles for enhanced diabetic wound healing: Co-electrospun silk fibroin-collagen and chitosan-PVA systems.
21. Dopamine-conjugated hyaluronic acid hydrogel interpenetrated by genipin crosslinked quaternary ammonium chitosan for potential biomedical adhesives applications.
22. Carboxyethyl chitosan/oxidized sodium alginate composite hydrogel loaded with AgNPs and Zn(2+): dye adsorption and antibacterial function.
23. Bacterial exopolysaccharide and metal-doped bioactive glass nanoparticles-based electrospun membranes for chronic wound healing.
24. Antimicrobial protection of fabrics with poly(allylamine hydrochloride)-ZnO coating.
25. Advanced healing potential of simple natural hydrogel loaded with sildenafil in combating infectious wounds.
26. Bacterial microenvironment-responsive antibacterial, adhesive, and injectable oxidized dextran-based hydrogel for chronic diabetic wound healing.
27. Selenium-Albumin Nanoaccelerator Hydrogel Promotes Wound Healing by Antibacterial, Anti-Inflammatory and Antioxidant along with Inhibits Scar Formation via Downregulating CD36.
28. In-Situ Synthesis of Silver Nanoparticle within Self-Assembling Ultrashort Peptide Hydrogel as Antibacterial with Wound Healing Properties.
29. Fabrication of gelatine/fucoidan nanogel-coated silver nanoparticles for the treatment of wound healing therapy and nursing care.
30. Hyaluronic acid-based hydrogel microspheres with multi-responsive properties for antibacterial therapy and bone regeneration in Staphylococcus aureus-infected skull defects.
31. Gallic Acid Nanocrystal Hydrogel: A Novel Strategy for Promoting Wound Healing and Inhibiting Scar Formation.
32. Designing of moringa gum-zwitterionic copolymer structure through supra-molecular and covalent interactions for biomedical uses.
33. Nanoscale cuttlebone-doped PVA/SA hydrogel with hemostatic and antibacterial properties.
34. Preparation and characterization of advancing wound care with PVP/QCS/DEX hydrogels: a multifunctional wound dressing composite: in vitro and in vivo assay.
35. 3D-Printed Hydrogel Patches Embedded with Cu-Modified Liquid Metal Nanoparticles for Accelerated Wound Healing.
36. Novel tragacanth gum-collagen-polyurethane hydrogels: Super-swelling, antibacterial, and fibrillogenesis-enhancing properties for efficient wound healing.
37. Ca(2+) crosslinked gelatin-sodium alginate film loaded with berberine hydrochloride that can effectively promote wound healing of MRSA infection.
38. Phycocyanin-based multifunctional hydrogel with self-healing, hemostatic, antioxidative, and antibacterial activity for wound healing.
39. Geranium essential oil downregulates virulence genes and mitigates MRSA wound infections through a multifunctional hydrogel.
40. Protection with a collagen wound matrix containing polyhexamethylene biguanide supports innate wound healing in biofilm-infected porcine wounds.
41. Enhanced Bioadhesive and Antimicrobial Properties of PVA/Ascorbic Acid Composite with Tannic Acid Synthesized by Gamma Irradiation for Biomedical Applications.
42. Tannic acid-etched PAN/PVP nanofibers loaded with Cu-MOFs enhance antibacterial efficacy and accelerate wound healing.
43. Magnetically Driven Hydrogel Microrobots for Targeted Antibiotic Delivery.
44. Self-driven piezotronic effect enhances the photocatalytic bactericidal activity of polyvinylidene fluoride/bismuth sulfide.
45. Electrospinning Trilayer Dressing of PLA/ZnO with Controlled Released Profiles for Visible pH Monitoring and Effective Exudate Management.
46. Oxidized regenerated cellulose-based supermolecular hydrogel for controlled drug release: Integrating cyclodextrin-mediated hydrophobic drug distribution, wound-specific degradation, and multifunctional therapeutic effects.
47. Dual-action MOF-on-MOF hydrogel: A chemo-photodynamic strategy for enhanced antibacterial activity and infected wound healing.
48. Antifouling Activity of Bottlebrush Network Hydrogels.
49. Kinsenoside-Loaded Microneedle Accelerates Diabetic Wound Healing by Reprogramming Macrophage Metabolism via Inhibiting IRE1α/XBP1 Signaling Axis.
50. Biological applications on a novel composite hydrogel containing mesoporous silica nanoparticles loaded with insulin-like growth Factor-1 and Vancomycin.
51. A Tea Polyphenol-Infused Sprayable Thermosensitive Liposomal Hydrogel for Enhanced Anti-Inflammatory and Antibacterial Psoriasis Treatment.
52. Mass Density Characterization of Hydrogel-Based Systems Inoculated with Bacterial Strains and Dose-Response Performance of Escherichia coli Inoculation.
53. Influence of Nanoparticle Content and Cross-Linking Degree on Functional Attributes of Calcium Alginate-ZnO Nanocomposite Wound Dressings.
54. Lignin-Mediated Dual Conductive Hydrogels with High Conductivity, Antibacterial Activity and Biocompatibility for Chronic Wound Repair.
55. Investigation of PVA Matrix Hydrogel Loaded with Centaurea cyanus Extract for Wound Dressing Applications: Morphology, Drug Release, Antibacterial Efficiency, and In Vitro Evaluation.
56. An NIR-responsive "4A hydrogel" encapsulating wormwood essential oil: through antibacterial, antioxidant, anti-inflammation, and angiogenic to promote diabetic wound healing.
57. The favorable role of oxidized pullulan as a multipurpose crosslinker in polyvinyl alcohol (PVA)/chitosan/collagen films for promoting human skin fibroblast viability, antibacterial activity and healing of methicillin-resistant Staphylococcus aureus (MRSA) infected wounds in mice.
58. Smearable CQD-entrapped hydrogel with sensitive pH response and photodynamic antibacterial properties for visual intelligent wound monitoring.
59. Dual Delivery of Cells and Bioactive Molecules for Wound Healing Applications.
60. Synthesis and Characterization of Magnesium Oxide-Enhanced Chitosan-Based Hemostatic Gels with Antibacterial Properties: Role of Amino Acids and Crosslinking.
61. Salicylic Acid-Mediated Silver Nanoparticle Green Synthesis: Characterization, Enhanced Antimicrobial, and Antibiofilm Efficacy.
62. Shark skin and mussel-inspired polyurethane hydrogel sponge for wounds with infection and exudate.
63. Application of green waste polyphenols in natural antimicrobial materials for the environmental fields: A review.
64. Experimental Optimization of Tannic Acid-Crosslinked Hydrogels for Neomycin Delivery in Infected Wounds.
65. Design and Development of ZnO/BMP-2 Sustained-Release Hydrogel for Enhanced Bone Tissue Repair.
66. Antibacterial and Cell-Adhesive Poly(2-ethyl-2-oxazoline) Hydrogels Developed for Wound Treatment: In Vitro Evaluation.
67. Cyclodextrin-based self-assembling hydrogel for Photothermal-controlled nitric oxide release in stage-specific treatment of MRSA-induced arthritis.
68. Hesperidin-loaded self-assembled supramolecular hydrogel based on quaternized chitosan as efficient photothermal antibacterial dressing for MRSA-infected wound healing.
69. Self-Adaptive Release of Stem Cell-Derived Exosomes from a Multifunctional Hydrogel for Accelerating MRSA-Infected Diabetic Wound Repair.
70. Drug Reaction with Eosinophilia and Systemic Symptoms Syndrome following Dalbavancin and Oritavancin Administration in a Patient with Osteomyelitis.

Staphylococcal skin infection

1. Case Report: Delayed recurrence of staphylococcal scalded skin syndrome in an extremely low birth weight infant.
2. Eosinophil innate immune memory after bacterial skin infection promotes allergic lung inflammation.
3. Sex-dependent gastrointestinal colonization resistance to MRSA is microbiota and Th17 dependent.
4. Global changes in Staphylococcus aureus virulence and metabolism during colonization of healthy skin.
5. Development of Membrane-Targeting Osthole Derivatives Containing Pyridinium Quaternary Ammonium Moieties with Potent Anti-Methicillin-Resistant Staphylococcus aureus Properties.
6. The Epidemiology of Repeatedly Positive Bacterial Skin Infections in Auckland Children, New Zealand.
7. Efflux pump modulation by Montelukast and its roles in restoring antibiotic susceptibility in multidrug-resistant Staphylococcus aureus.
8. Staphylococcus saprophyticus prevents skin damage by inhibiting Staphylococcus aureus quorum sensing.
9. A SpA+LukAB vaccine targeting Staphylococcus aureus evasion factors restricts infection in two minipig infection models.
10. Factor XII-driven coagulation traps bacterial infections.
11. Staphylococcus epidermidis uses the SrrAB regulatory system to modulate oxidative stress and intracellular survival in mouse macrophage cell line Ana-1.
12. Single center experience of the first 300 patients treated with bromelain-based enzymatic debridement.
13. Phylogenomic associations among methicillin-resistant Staphylococcus aureus isolates derived from pets, dairies, and humans.

Other news of possible interest