

# Gangrene

[View the current Gangrene InDepth page on BioPortfolio.com](#) ( PDF )

(<http://www.bioportfolio.com/indepth/Gangrene.html>) - Regularly Updated.

Gangrene is a complication of necrosis characterized by the decay of body tissues, which become black and malodorous. It is caused by infection or ischemia, such as from thrombosis . It is usually the result of critically insufficient blood supply and is often associated with diabetes and long-term smoking. This condition is most common in the lower extremities. The best treatment for gangrene is revascularization of the affected organ, which can reverse some of the effects of necrosis and allow healing. Other treatments include auto-amputation, debridement and local care, or surgical amputation. The method of treatment is generally determined depending on location of affected tissue and extent of tissue loss. ( [From the Wikipedia article Gangrene.](#) )

## Recent Publications on Gangrene:



- [Peripheral arterial thrombosis with presence of anti-centromere antibodies and polycythemia vera.](#)  
*Digital gangrene due to arterial thrombosis can occur due to a variety of...*12th November, 2009  
Internal Medicine Residency Program, St. Mary's Health Center, St. Louis,- Mo Med. 2009 Sep-Oct;106(5):369-72.
- [Fournier's gangrene: from urological emergency to plastic surgery.](#)  
*Fournier's gangrene (FG) is a rare and potentially fatal infectious...*11th November, 2009  
Departamento de Cirurgia Plastica, Reconstructiva, Maxilo-facial y Unidad- Actas Urol Esp. 2009 Sep;33(8):925-929.
- [Fournier's gangrene. Descriptive analysis of 20 cases and literature review.](#)  
*BACKGROUND: Fournier's gangrene is a necrotising fasciitis that usually...*11th November, 2009  
Servicio de Urologia, Hospital General Universitario J.M. Morales- Actas Urol Esp. 2009 Sep;33(8):873-880.
- [Self-Inflicted Penile Strangulation.](#)  
*INTRODUCTION: Constricting devices or misappropriated means are either...*10th November, 2009  
Texas Tech University Health Sciences Center, Department of Urology.- Aktuelle Urol. 2009 Nov 6. ( [DOI Direct Link](#) )
- [Priapism and Penile Gangrene Due to Thrombotic Thrombocytopenic Purpura.](#)  
*A 51-year-old man presented with 4 days of idiopathic ischemic priapism....*10th November, 2009  
Nepean Private Hospital, Kingswood NSW.- Urology. 2009 Nov 4. ( [DOI Direct Link](#) )
- [Ciprofloxacin-Induced Hemorrhagic Vasculitis.](#)  
*Ciprofloxacin-induced hemorrhagic vasculitis is a rare side effect. It has...*7th November, 2009  
Department of Surgery, Atrium Medical Center Parkstad, Heerlen, the- Ann Vasc Surg. 2009 Nov 3. ( [DOI Direct Link](#) )
- [Femoral-Popliteal Bypass with Endoscopically Harvested Saphenous Vein in Patients with TASC D Disease of the Superficial Femoral Artery.](#)

- OBJECTIVE: This study evaluated patients undergoing femoropopliteal...*7th November, 2009  
Division of Vascular Surgery, Winthrop University Hospital, Mineola, NY.- Ann Vasc Surg. 2009 Nov 3. ([DOI Direct Link](#))
- [Phase I/II Trial of Bevacizumab and Radiotherapy for Locally Advanced Inoperable Colorectal Cancer: Vasculature-Independent Radiosensitizing Effect of Bevacizumab.](#)  
*PURPOSE: Anti-vascular endothelial growth factor therapy enhances the...*6th November, 2009  
Authors' Affiliations: Departments of Pathology, and- Clin Cancer Res. 2009 Nov 3. ([DOI Direct Link](#))
  - [Differential staining of bacteria: endospore stain.](#)  
*Endospore production is a very important characteristic of some bacteria,...*4th November, 2009  
Richland College, Dallas, Texas, USA.- Curr Protoc Microbiol. 2009 Nov;Appendix 3:Appendix 3J. ([DOI Direct Link](#))
  - [A case of fatal emphysematous pyelonephritis presenting as lower limb gaseous gangrene.](#)  
*The aim of this paper was to focus on emphysematous pyelonephritis (EPN),...*3rd November, 2009  
Department of Anesthesia and Intensive Care, San Marco Polyclinic,- Minerva Anestesiol. 2009 Nov;75(11):665-8.
  - [Treating inflammation in atherosclerotic cardiovascular disease: emerging therapies.](#)  
*Atherosclerosis constitutes the underlying disease to the clinical...*3rd November, 2009  
Department of Cardiology, University Hospital Zurich, CH-8091 Zurich,- Eur Heart J. 2009 Oct 30. ([DOI Direct Link](#))
  - [Endothelial nitric oxide synthase affects both early and late collateral arterial adaptation and blood flow recovery after induction of hind limb ischemia in mice.](#)  
*OBJECTIVE: The goals of this study were to determine if endothelial nitric...*3rd November, 2009  
Division of Vascular Surgery, University of Massachusetts Medical School,- J Vasc Surg. 2009 Oct 29. ([DOI Direct Link](#))
  - [Peripheral arterial disease in women.](#)  
*Peripheral arterial disease (PAD) is chronic arterial occlusive disease of...*27th October, 2009  
Department of Medicine, Divisions of Cardiology, Geriatrics, and- Maturitas. 2009 Oct 21. ([DOI Direct Link](#))
  - [\[Fallopian tube torsion--a rare complication in the reproductive age\]](#)  
*Isolated fallopian tube torsion (ITT) is a rare condition defined as a...*24th October, 2009  
Department of Obstetrics and Gynecology, The Hadassah Ein-Karem Medical- Harefuah. 2009 Jul;148(7):432-4, 476.
  - [Was Maria de' Medici a diabetic patient?](#)  
*Queen Maria de' Medici (1573-1642) died in a miserable, marasmic state....*24th October, 2009  
University- J R Coll Physicians Edinb. 2009 Jun;39(2):185-6.

## BioNews Results for Gangrene

- [Gangrene- Don't Wait to Lose a Limb](#)  
*Individual.com: Nov 9 2009 1:12PM Matching: gangrene*
- [Priapism and Penile Gangrene Due to Thrombotic Thrombocytopenic Purpura](#)  
*MDLinx: Nov 9 2009 11:57AM Matching: gangrene*

## Gangrene Clinical Trials:



- [Stem Cell Study for Patients With Leg Ulcer/Gangrene](#)



## Gangrene Patents:

- 7547536- [Method for detecting bacterial spores](#)
- 7572446- [Antagonists of HMG1 for treating inflammatory conditions](#)
- 7572618- [Polynucleotides encoding novel PCSK9 variants](#)
- 7572780- [Method and kit for reducing the symptoms of peripheral vascular disease](#)
- 7572812- [Therapeutic agents useful for treating pain](#)
- 7572920- [Benzimidazole derivative and use as a II receptor antagonist](#)
- 7574761- [Inflatable mattress and method for positioning a patient](#)
- 7576102- [Biaryl substituted nitrogen containing heterocycle inhibitors of LTA4H for treating inflammation](#)
- 7576182- [Compositions and methods for the treatment of immune related diseases](#)
- 7582283- [Contrast agents to improve gastrointestinal tract opacification during abdominal and pelvic CT scans](#)
- 7582635- [Therapeutic agents useful for treating pain](#)
- 7569384- [Albumin fusion proteins](#)
- 7566446- [Wound healing and treatment of fibrosis](#)
- 7563224- [Method of treating a severe diabetic ulcer](#)
- 7547674- [Methods and compositions for the repair and/or regeneration of damaged myocardium](#)
- 7547692- [Rifamycin analogs and uses thereof](#)
- 7547710- [Fused heterocyclic compounds as peptidase inhibitors](#)
- 7547766- [Anti-tango294 antibodies and uses thereof](#)
- 7547767- [Growth arrest specific gene 6 peptides, antibodies, compositions, methods and uses](#)
- 7550142- [Anti-integrin antibodies, compositions, methods and uses](#)
- 7553867- [Furan or thiophene derivative and medicinal use thereof](#)
- 7557087- [Compositions and methods for treating diseases](#)
- 7560112- [Anti-il-6 antibodies, compositions, methods and uses](#)
- 7560247- [Nucleic acids encoding anti-IL-12 antibodies, and methods of production](#)
- 7582662- [Body weight gain inhibitor](#)
- 7584003- [Apparatus of electro-stimulation and relative data support](#)
- 7605229- [PRO87299 polypeptides](#)
- 7606607- [Physiological stress detector device and system](#)
- 7608045- [Method for noninvasive continuous determination of physiologic characteristics](#)
- 7608284- [Enamel matrix protein composition for treatment of systemic inflammatory response syndrome](#)
- 7608393- [Methods of predicting a benefit of antioxidant therapy for prevention of cardiovascular disease in hyperglycemic patients](#)
- 7608627- [6-azaindole compound](#)
- 7608704- [Secreted proteins](#)
- 7612181- [Dual variable domain immunoglobulin and uses thereof](#)
- 7612182- [Anti-IL-6 antibodies, compositions, methods and uses](#)

- 7612247- [Wound alternative treatment system](#)
- 7604797- [Compositions and methods for treating burns](#)
- 7603152- [Physiological stress detector device and system](#)
- 7601514- [Nucleic acid encoding PRO10268 polypeptides](#)
- 7589067- [6, 11-bridged tricyclic macrolides](#)
- 7590438- [Physiological stress detector device and system](#)
- 7592010- [Albumin fusion proteins](#)
- 7595038- [Methods of treatment using antibodies to follistatin-3](#)
- 7595192- [Process for the production of temperature-induced tumor cell lysates for use as immunogenic compounds](#)
- 7595311- [Azepinoindole derivatives as pharmaceutical agents](#)
- 7595333- [Agent for improving acidosis](#)
- 7598259- [mGluR1 antagonists as therapeutic agents](#)
- 7598348- [Adiponectin receptor variant, AdipoR2v2](#)
- 7598397- [Sulfonamide peri-substituted bicyclics for occlusive artery disease](#)
- 7613490- [Physiological stress detector device and system](#)

\*\*\*

Resources from the [NCBI](#) used in this document, [NCBI's standard disclaimer applies](#).

Nothing in this document should be used in place of personal medical advice from your own qualified medical practitioner. See BioPortfolio.com [User Agreement](#)

Send comments and feedback to:

Peter Barfoot Managing Director, BioPortfolio Ltd.

UK Tel: (+44) 1300 321501

USA Voicemail and Fax: (+1) 415 680 2472

[Peter Barfoot peter.barfoot@bioportfolio.com](mailto:peter.barfoot@bioportfolio.com)

All rights reserved. All other trademarks recognized.

BioPortfolio Limited is registered in England & Wales at Stafford House, 10 Prince of Wales Road, Dorchester, Dorset, DT1 1PW, UK. No.3312883 VAT No. GB 744 6483 10

Copyright 1997-2009 - BioPortfolio Limited.

