

Ochronosis

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Ochronosis, often called alkaptonuric ochronosis, is an autosomal recessive metabolic disorder that causes an excess of homogentisic acid, resulting in adverse pigmentation, calcification, and inflammation of cartilagenous and related tissue throughout the body. The disorder is a result of incomplete metabolism of homogentisic acid, tyrosine and phenylalanine. The face, skeletal system, cardiovascular system, respiratory system, urinary system and to a lesser degree, the skin, are affected by this disease. ([From the Wikipedia article Ochronosis](#).)



Recent Publications on Ochronosis:

- [Joint and tendineous involvement in ochronosis: clinical history and imaging of a case.](#)
*We describe a case of a previously healthy 35-year-old man who presents...*13th November, 2009
- Clin Exp Rheumatol. 2009 Jul-Aug;27(4):696-7.
- [Melasma in Latin America: options for therapy and treatment algorithm.](#)
*OBJECTIVE/AIM: To examine approaches to therapy for melasma in Latin...*3rd November, 2009
University of Rio Grande do Sul, Hospital de Clinicas de Porto Alegre,- J Eur Acad Dermatol Venereol. 2009 Jul;23(7):760-72. ([DOI Direct Link](#))
- [Skin bleaching: highlighting the misuse of cutaneous depigmenting agents.](#)
*Hydroquinone and other cutaneous depigmenting agents are widely used by...*3rd November, 2009
Department of Dermatology, Chelsea and Westminster Hospital, London, UK.- J Eur Acad Dermatol Venereol. 2009 Jul;23(7):741-50. Epub 2009 Mar 11. ([DOI Direct Link](#))
- [Mutation spectrum of homogentisic acid oxidase \(HGD\) in alkaptonuria.](#)
*Alkaptonuria (AKU) is a rare autosomal recessive metabolic disorder,...*29th October, 2009
Medical Genetics Branch, National Human Genome Research Institute,- Hum Mutat. 2009 Sep 4. ([DOI Direct Link](#))
- [Comparative study on low back pain misdiagnosed as spondyloarthropathy.](#)
*This study aims to investigate features of different diseases with low...*14th October, 2009
Department of Rheumatology and Immunology, Peking University Third- Clin Rheumatol. 2009 Aug;28(8):893-8. Epub 2009 May 17. ([DOI Direct Link](#))
- [Ochronosis: complicated tear of black meniscus.](#)
*We describe a case of a previously healthy 35-year-old man who presents...*26th September, 2009
Ankara Numune Training and Research Hospital, Talatpasa Blv, Samanpazari,- Knee Surg Sports Traumatol Arthrosc. 2009 Sep 25. ([DOI Direct Link](#))
- [A metabolic cause of spinal deformity.](#)
*A 38-year-old man presented to our clinic with a 6-year history of chronic...*22nd September, 2009
Department of Rheumatology, Basel University, Burgfelderstr. 55, CH 4012- Metabolism. 2009 Sep 16.

([DOI Direct Link](#))

- [\[Ochronosis--a rare cause of secondary gonarthrosis\]](#)
*Ochronosis is a manifestation of the rare disease alkaptonuria. The most...*22nd August, 2009
Orthopadische Klinik für die Universität Regensburg, Bad Abbach.- Z Orthop Unfall. 2009
May-Jun;147(3):366-8. Epub 2009 Jun 23. ([DOI Direct Link](#))
- [\[Cutaneous annular sarcoidosis developing on a background of exogenous ochronosis: a report of two cases and review of the literature.\]](#)
*Summary Exogenous (cosmetic) ochronosis is caused by the long term use of...*12th August, 2009
Division of Dermatology, Department of Medicine, Johannesburg Hospital and- Clin Exp Dermatol.
2009 Jul 29. ([DOI Direct Link](#))
- [\[Devastating ochronotic arthropathy with successful bilateral hip and knee arthroplasties.\]](#)
*Ochronotic arthropathy is a manifestation of long-standing alkaptonuria, a...*8th July, 2009
Department of Orthopaedic Surgery, Mie University Graduate School of- J Clin Rheumatol. 2009
Apr;15(3):138-40. ([DOI Direct Link](#))
- [\[Black hip, fracture neck of femur and scoliosis: A case of ochronosis.\]](#)
*Background: Ochronosis is a very rare disorder with an incidence of 2 to 5...*9th June, 2009
Government Medical- J Inherit Metab Dis. 2009 Jun 7. ([DOI Direct Link](#))
- [\[Black bones: a case of incidental discovery of ochronotic arthropathy.\]](#)
*Alkaptonuria is a rare disease in which the body does not have enough of...*28th May, 2009
Goulburn Valley Health, Shepparton, VIC, Australia.- Med J Aust. 2009 Apr 6;190(7):390.
- [\[Knee ochronotic arthropathy and arthroscopic findings\]](#)
*Ochronotic arthropathy is a rare condition found in patients with...*27th May, 2009
Haseki Egitim ve Arastirma Hastanesi, Ortopedi ve Travmatoloji Klinigi,- Acta Orthop Traumatol Turc.
2009 Jan-Feb;43(1):67-71. ([DOI Direct Link](#))
- [\[Osteoarthritis? Ochronotic arthritis! A case study and review of the literature.\]](#)
*Alkaptonuria is a rare disease in which the body does not have enough of...*22nd April, 2009
Department of Joint Surgery, Third Hospital of Hebei Medical University,- Knee Surg Sports Traumatol
Arthrosc. 2009 Jul;17(7):778-81. Epub 2009 Apr ([DOI Direct Link](#))
- [\[A case of ochronosis with gout and monckeberg arteries.\]](#)
*Alkaptonuria is an inborn error of amino acid metabolism. A defect in...*28th February, 2009
Rheumatology Department, Isfahan University for Medical Sciences, Alzahra- Rheumatol Int. 2009
Oct;29(12):1507-10. Epub 2009 Feb 27. ([DOI Direct Link](#))

Ochronosis Patents:



- 7528153- [Deoxynojirimycin analogues and their uses as glucosylceramidase inhibitors](#)
- 6231343- [Method for bleaching discolored tooth by titanium dioxide photocatalyst](#)
- 6118050- [Hydroxyphenylpyruvate dioxygenase gene from arabidopsis and method of screening for inhibitors thereof](#)
- 6017960- [Method of treating post-inflammatory hyperpigmentation in black skin with a retinoid, and method of lightening black skin with a retinoid](#)
- 5750570- [Method of treatment of hyperpigmentation in black skin with retinoic acid and method of lightening black skin with retinoic acid](#)
- 5587399- [Method for preparing medical foods for the nutritional support of infants/toddlers with](#)

[metabolic diseases](#)

- 5550146- [Medical foods for the nutritional support of infant/toddler metabolic diseases](#)
- 5368841- [Photodynamic therapy for the destruction of the synovium in the treatment of rheumatoid arthritis and the inflammatory arthritides](#)
- 5326569- [Medical foods for the nutritional support of child/adult metabolic diseases](#)
- 6649366- [Methods and compositions related to modulators of annexin and cartilage homeostasis](#)
- 6693077- [Keratinocyte growth factor-2](#)
- 6696578- [Difuroprone derivatives](#)
- 7494643- [Method and topical composition for the treatment of hyperpigmented skin](#)
- 7432107- [Cardiac hormones for assessing cardiovascular risk](#)
- 7422734- [Methods of producing lignin peroxidase and its use in skin and hair lightening](#)
- 7359748- [Apparatus for total immersion photography](#)
- 7232667- [Keratinocyte growth factor-2 polynucleotides](#)
- 7217546- [Commercially viable process for high purity of fatty alcohol C.sub.24 to C.sub.36 and its cosmetic application for skin hair and nails](#)
- 7141545- [Compositions and methods for treating articular cartilage disorders](#)
- 7067144- [Compositions and methods for systemic inhibition of cartilage degradation](#)
- 5240415- [Dental bleach system having separately compartmented fumed silica and hydrogen peroxide and method of using](#)

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