

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.

Recent Publications on Ochronosis:



- [\[Formation of the urinary stones in alkaptonuria patients\]](#)
*Alkaptonuria is an autosomal recessive disease with late complications...*30th August, 2008
Ustav klinické biochemie a patobiochemie 2. LF UK a FNM, Praha.- Cas Lek Cesk. 2008;147(6):330-2.
- [\[Endogenous ochronosis with a predominant acrokeratoelastoidosis-like presentation.\]](#)
*Alkaptonuria is an autosomal recessive disease with late complications...*23rd August, 2008
- Int J Dermatol. 2008 Aug;47(8):873-5. ([DOI Direct Link](#))
- [\[Diagnostic image \(382\). A man with a painful knee and black cartilage\]](#)
*A 56-year-old man presented with a painful knee with black pigmentation of...*22nd August, 2008
Ziekenhuis Gelderse Vallei, afd. Orthopedie, Ede.- Ned Tijdschr Geneesk. 2008 Jul 26;152(30):1671.
- [\[Exogenous ochronosis in a female Tunisian patient\]](#)
*Ochronosis is a rare metabolic disease caused by the deficiency of the...*12th August, 2008
- Ann Dermatol Venereol. 2008 May;135(5):408-9. ([DOI Direct Link](#))
- [\[Hydroquinone-induced exogenous ochronosis in Chinese--two case reports and a review.\]](#)
*Ochronosis is a rare metabolic disease caused by the deficiency of the...*26th June, 2008
- Int J Dermatol. 2008 Jun;47(6):639-40. ([DOI Direct Link](#))
- [\[Anesthesia in a patient with alkaptonuric ochronosis for total hip arthroplasty\]](#)
*Alkaptonuric ochronosis, caused by a deficiency of homogentisate...*25th June, 2008
Department of Anesthesiology, Kyushu Rosai Hospital, Kitakyushu 800-0296.- Masui. 2008 Apr;57(4):439-42.
- [\[Arthroplasty for the treatment of joint degeneration caused by ochronosis in two cases.\]](#)
*Ochronosis is a rare metabolic disease caused by the deficiency of the...*17th June, 2008
Department of Pathology (Patoloji Anabilim Dali), Medicine Faculty of- Acta Orthop Traumatol Turc. 2008;42(2):139-144.
- [\[Aortic valve stenosis due to alkaptonuria.\]](#)
*Cardiovascular disease is a less-well appreciated aspect of alkaptonuria...*21st May, 2008
Department of Cardiology, Hospital of Wetzlar, Wetzlar, Germany.- J Heart Valve Dis. 2008 Jan;17(1):127-9.
- [\[The use of botanical extracts as topical skin-lightening agents for the improvement of skin pigmentation\]](#)

disorders.

- Both physicians and dermatology patients are searching for long-term...* 17th May, 2008
Department of Dermatology, First Affiliated Hospital of Nanjing Medical- J Investig Dermatol Symp
Proc. 2008 Apr;13(1):20-4. ([DOI Direct Link](#))
- [Complications of chronic use of skin lightening cosmetics.](#)
Skin lightening (bleaching) cosmetics and toiletries are widely used in... 25th April, 2008
Dermatology Unit, Department of Medicine, College of Medicine, Lagos,- Int J Dermatol. 2008
Apr;47(4):344-53. ([DOI Direct Link](#))
 - [\[Complications of cosmetic skin bleaching in Africa\]](#)
Use of cosmetic products to bleach or lighten the skin is common among... 18th April, 2008
Service de dermatologie,- Med Trop (Mars). 2007 Dec;67(6):627-34.
 - [Hydroquinone-induced exogenous ochronosis: a report of four cases and usefulness of dermoscopy.](#)
Hydroquinone is the first choice of topical bleaching agents used in... 9th April, 2008
Instituto de Dermatologia Professor R. D. Azulay, Hospital Santa Casa da- Int J Dermatol. 2008
Jan;47(1):19-23. ([DOI Direct Link](#))
 - [Localized cutaneous argyria from an acupuncture needle clinically concerning for metastatic melanoma.](#)
Localized cutaneous argyria presenting as an asymptomatic blue-gray macule... 26th February, 2008
Department of Dermatology, Medical University of South Carolina,- Cutis. 2007 Nov;80(5):423-6.
 - [Clinical Quiz. A 69-year-old man with a thick dark pigmentation on his hands, and low back pain.](#)
Hydroquinone is the first choice of topical bleaching agents used in... 22nd February, 2008
Respiratory Medicine Division, King Hussein Medical Center, PO Box 2399,- Saudi Med J. 2007
Nov;28(11):1761-2.
 - [Thoracic myelopathy with alkaptonuria.](#)
STUDY DESIGN: A case of thoracic myelopathy with alkaptonuria (ochronotic... 15th February, 2008
Department of Orthopaedic Surgery, Mie University Graduate School of- Spine. 2008 Jan
15;33(2):E62-5. ([DOI Direct Link](#))

Ochronosis Clinical Trials:



- [Study of Alkaptonuria](#)
Alkaptonuria Intervention: 2 Active, not recruiting Long-Term Study of Nitisinone to Treat Alkaptonuria

Ochronosis Patents:



- 7359748- [Apparatus for total immersion photography](#)
- 5326569- [Medical foods for the nutritional support of child/adult metabolic diseases](#)
- 5368841- [Photodynamic therapy for the destruction of the synovium in the treatment of rheumatoid arthritis and the inflammatory arthritides](#)

- 5550146- [Medical foods for the nutritional support of infant/toddler metabolic diseases](#)
- 5587399- [Method for preparing medical foods for the nutritional support of infants/toddlers with metabolic diseases](#)
- 5750570- [Method of treatment of hyperpigmentation in black skin with retinoic acid and method of lightening black skin with retinoic acid](#)
- 6017960- [Method of treating post-inflammatory hyperpigmentation in black skin with a retinoid, and method of lightening black skin with a retinoid](#)
- 6118050- [Hydroxyphenylpyruvate dioxygenase gene from arabidopsis and method of screening for inhibitors thereof](#)
- 6231343- [Method for bleaching discolored tooth by titanium dioxide photocatalyst](#)
- 6649366- [Methods and compositions related to modulators of annexin and cartilage homeostasis](#)
- 6693077- [Keratinocyte growth factor-2](#)
- 6696578- [Difuroprone derivatives](#)
- 7067144- [Compositions and methods for systemic inhibition of cartilage degradation](#)
- 7141545- [Compositions and methods for treating articular cartilage disorders](#)
- 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](#)
- 7232667- [Keratinocyte growth factor-2 polynucleotides](#)
- 5240415- [Dental bleach system having separately compartmented fumed silica and hydrogen peroxide and method of using](#)

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