

Dermabrasion

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Dermabrasion is a cosmetic medical procedure in which the surface of the epidermis of the skin is removed by abrasion. It is used to remove sun-damaged skin and to remove or lessen scars and dark spots on the skin. The procedure is very painful and usually requires a general anaesthetic or twilight anaesthesia, in which the patient is still partly conscious. Afterward, the skin is very red and raw-looking, and it takes several months for the skin to regrow and heal. Dermabrasion is useful for scar removal when the scar is raised above the surrounding skin, but is less effective with sunken scars. In the past, dermabrasion was done using a small, sterilized, electric sander. In the past decade, it has become more common to use a CO₂ or Erbium:YAG laser. Laser dermabrasion is much easier to control, much easier to gauge, and is practically bloodless compared to classic dermabrasion. ([From the Wikipedia article Dermabrasion.](#))

Recent Publications on Dermabrasion:



- [Pharmacotherapy of actinic keratosis.](#)
Actinic keratosis (AK) represents the initial intraepidermal manifestation... 21st November, 2009
University of Miami, Miller School of Medicine, Department of Dermatology- Expert Opin Pharmacother. 2009 Nov 19. ([DOI Direct Link](#))
- [Controlling the in vivo activity of Wnt liposomes.](#)
Liposomes offer a method of delivering small molecules, nucleic acids, and... 17th November, 2009
Division of Plastic and Reconstructive Surgery, Department of Surgery,- Methods Enzymol. 2009;465:331-47. ([DOI Direct Link](#))
- [Selective removal of stratum corneum by microdermabrasion to increase skin permeability.](#)
This study sought to determine if microdermabrasion can selectively remove... 10th November, 2009
Wallace H. Coulter Department of Biomedical Engineering, Georgia Institute- Eur J Pharm Sci. 2009 Sep 10;38(2):95-103. Epub 2009 Jun 25. ([DOI Direct Link](#))
- [Management of hyperpigmentation in darker racial ethnic groups.](#)
Dyschromias, in particular hyperpigmentation, are major issues of concern... 2nd October, 2009
Vitiligo and Pigmentation Institute of Southern California, Los Angeles,- Semin Cutan Med Surg. 2009 Jun;28(2):77-85. ([DOI Direct Link](#))
- [Lower third nasal reconstruction: when is skin grafting an appropriate option?](#)
BACKGROUND: A full-thickness skin graft is generally not considered the... 24th September, 2009
Department of Plastic Surgery, University of Texas Southwestern Medical- Plast Reconstr Surg. 2009 Sep;124(3):826-35. ([DOI Direct Link](#))
- [Fatal case of Darier's disease with recurrent severe infections.](#)
Residual disfigurement is a common problem for patients who have undergone... 15th September, 2009
- Acta Derm Venereol. 2009;89(4):408-9. ([DOI Direct Link](#))

- [Infraorbital dark circles: definition, causes, and treatment options.](#)
*BACKGROUND: Infraorbital dark circles refer to the conditions that present...*1st September, 2009
Department of Dermatology and Cutaneous Biology Research Institute, Yonsei- Dermatol Surg. 2009 Aug;35(8):1163-71. Epub 2009 May 15. ([DOI Direct Link](#))
- [Recontouring, resurfacing, and scar revision in skin cancer reconstruction.](#)
*Residual disfigurement is a common problem for patients who have undergone...*25th August, 2009
Department of Surgery, Southern Illinois University School of Medicine,- Facial Plast Surg Clin North Am. 2009 Aug;17(3):469-487.e3. ([DOI Direct Link](#))
- [Surgical treatment of facial disfigurement due to lichen myxedematosus.](#)
*A 58-year-old man presented in 2001 with dysplastic nevus syndrome with at...*10th June, 2009
Department of Plastic, Reconstructive and Aesthetic Surgery, Gulhane- Dermatol Surg. 2009 May;35(5):875-7. Epub 2009 Mar 30. ([DOI Direct Link](#))
- [Acne scarring treatment using skin needling.](#)
*Summary Background. Acne is a common condition seen in up to 80% of people...*3rd June, 2009
Department of Systematic Pathology, Division of Clinical Dermatology,- Clin Exp Dermatol. 2009 May 21. ([DOI Direct Link](#))
- [Dysplastic nevus syndrome with development of multiple melanomas. A surgical concept for prophylaxis.](#)
*A 58-year-old man presented in 2001 with dysplastic nevus syndrome with at...*22nd May, 2009
Department of Dermatology, University of Tubingen, Germany.- J Dtsch Dermatol Ges. 2009 Sep;7(9):773-5. ([DOI Direct Link](#))
- [Repair of the philtrum: an illustrative case series.](#)
*BACKGROUND: Distortion of the philtrum, which lends considerable symmetry...*10th April, 2009
Division of Dermatology, University of Washington, Seattle, WA 98105-6920,- J Cutan Med Surg. 2008 Nov-Dec;12(6):288-94.
- [Case study involving use of injectable poly-L-lactic acid \(PLLA\) for acne scars.](#)
*This report describes a novel use of injectable poly-L-lactic acid (PLLA;...*3rd April, 2009
Department of Dermatology at Weill Medical College of Cornell University,- J Dermatolog Treat. 2009 Jan 1:1-6. ([DOI Direct Link](#))
- [Chemical peels, dermabrasion, and laser therapy.](#)
*BACKGROUND: Distortion of the philtrum, which lends considerable symmetry...*1st April, 2009
- Dis Mon. 2009 Apr;55(4):223-35. ([DOI Direct Link](#))
- [Ablative skin resurfacing with a novel microablative CO2 laser.](#)
*Carbon dioxide (CO2) laser skin resurfacing has been a mainstay of facial...*20th March, 2009
- J Drugs Dermatol. 2009 Feb;8(2):138-44.

Dermabrasion Patents:



- 7232444- [Microdermabrasion canister rack system](#)
- 7311905- [Embryonic-like stem cells derived from post-partum mammalian placenta, and uses and methods of treatment using said cells](#)
- 7314326- [Device and method for treating pathologically affected skin](#)
- 7316817- [Method and device for topical delivery of therapeutic agents to the skin](#)
- 7318828- [Microdermabrasion machine](#)

- 7335199- [Tissue resurfacing](#)
- 7344587- [Magnetic ink tissue markings](#)
- 7354423- [Skin abrasion system and method](#)
- 7354734- [Fungal proteins and nucleic acids encoding same](#)
- 7361358- [Treatment of a facial pain by peripheral administration of a neurotoxin](#)
- 7311904- [Tissue matrices comprising placental stem cells, and methods of making the same](#)
- 7306569- [Systems and methods for skin care](#)
- 7300436- [Tissue resurfacing](#)
- 7255879- [Post-partum mammalian placenta, its use and placental stem cells therefrom](#)
- 7270641- [Apparatus for abrading hair and exfoliating skin](#)
- 7276072- [Skin resurfacing device](#)
- 7276245- [Method for treating hyperalgesia by peripheral administration of a neurotoxin](#)
- 7278994- [Electrosurgical instrument](#)
- 7285364- [Permanent, removable tissue markings](#)
- 7288260- [Method for treating pain by peripheral administration of a neurotoxin](#)
- 7291344- [Method for treating phantom pain by peripheral administration of a neurotoxin](#)
- 7294339- [Method for treating allodynia by peripheral administration of a neurotoxin](#)
- 7367981- [Device for dermabrasion](#)
- 7376460- [Method and apparatus for skin absorption enhancement and transdermal drug delivery](#)
- 7378401- [Use of Fosfluridine Tidoxil \(FT\) for the treatment of intraepithelial proliferative diseases](#)
- 7520875- [Method and apparatus for skin absorption enhancement and transdermal drug delivery](#)
- 7527811- [Topical depigmenting formulations comprising an extract of Bellis perennis](#)
- 7532926- [Method and apparatus for skin absorption enhancement and transdermal drug delivery](#)
- 7534606- [Placental stem cell and methods thereof](#)
- 7581545- [Dermabrasive device](#)
- 7588775- [Silicone elastomer exfoliating compositions](#)
- 7592002- [Sugar esters for depilation \(hair removal\), dermabrasion, and wrinkles reduction](#)
- 7597900- [Tissue abrasives](#)
- 7613523- [Aesthetic thermal sculpting of skin](#)
- 7498171- [Modulation of stem and progenitor cell differentiation, assays, and uses thereof](#)
- 7496401- [Method and apparatus for skin absorption enhancement and transdermal drug delivery](#)
- 7494503- [Method and apparatus for acne prevention](#)
- 7400754- [Method and apparatus for characterization of chromophore content and distribution in skin using cross-polarized diffuse reflectance imaging](#)
- 7410946- [Method for treating damage in intact skin comprising administering a composition comprising basic milk growth factors in amounts higher than those in milk](#)
- 7416724- [Diagnosis and treatment of diseases arising from defects in the tuberous sclerosis pathway](#)
- 7431711- [Liquid jet surgical instruments incorporating channel openings aligned along the jet beam](#)
- 7435524- [Permanent, removable tissue markings](#)
- 7461992- [Applicator and a kit including such an applicator](#)
- 7468267- [Fungal proteins and nucleic acids encoding same](#)
- 7468276- [Placental stem cells](#)
- 7471979- [Method and apparatus for skin absorption enhancement and transdermal drug delivery](#)
- 7618429- [Skin rejuvenation resurfacing method](#)

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