

Ultrasonic Therapy

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Recent Publications on Ultrasonic Therapy:

- [Anaesthesia for high intensity focused ultrasound \(HIFU\) therapy.](#)
*High intensity focused ultrasound (HIFU) is a treatment modality for...*30th August, 2008
Department of Anaesthesiology, The University of Hong Kong, Queen Mary- Anaesthesia. 2008
Aug;63(8):865-72. ([DOI Direct Link](#))
- [Effects of two different methods of non-surgical periodontal therapy on patient perception of pain and quality of life: a randomized controlled clinical trial.](#)
*BACKGROUND: The purpose of this study was to investigate the effect of two...*30th August, 2008
Periodontology Unit, Division of Restorative Dentistry, Eastman Dental- J Periodontol. 2008
Jun;79(6):1031-40. ([DOI Direct Link](#))
- [The effects of high frequency, low intensity ultrasound therapy on parotid flow rates.](#)
*OBJECTIVES: Saliva plays a critical role in maintaining oral health and...*23rd August, 2008
Assistant Professor, Department of Dental Diagnostic Science, The- Oral Surg Oral Med Oral Pathol
Oral Radiol Endod. 2008 Aug 19. ([DOI Direct Link](#))
- [An introduction to physical therapy modalities.](#)
*Timely and appropriate rehabilitation of musculoskeletal injuries is the...*23rd August, 2008
Sports Medicine Clinic, Western Michigan University, 1903 West Michigan- Adolesc Med State Art Rev.
2007 May;18(1):11-23, vii-viii.
- [Shape-based ultrasound tomography using a Born model with application to high intensity focused ultrasound therapy.](#)
*A shaped-based ultrasound tomography method is proposed to reconstruct...*21st August, 2008
Analogic Corporation, Peabody, Massachusetts 01960, USA.- J Acoust Soc Am. 2008
May;123(5):2944-56. ([DOI Direct Link](#))
- [Evaluation of cutting efficiency of orthograde ultrasonic tips by using a nonstatic model.](#)
*The purpose of this in vitro study was to evaluate the cutting efficiency...*20th August, 2008
Department of Graduate Endodontics, Marquette University, Milwaukee,- J Endod. 2008
Jul;34(7):863-5. ([DOI Direct Link](#))
- [Torsional ultrasound modality for hard nucleus phacoemulsification cataract extraction.](#)
*AIM: To evaluate the efficacy and safety of phacoemulsification using...*15th August, 2008
Zhongshan Ophthalmic Center, Sun-Yat-Sen University, Guangzhou 510060,- Br J Ophthalmol. 2008
Aug;92(8):1092-6. Epub 2008 Jun 20. ([DOI Direct Link](#))
- [Can tumor growth be further inhibited by combining drugs such as bortezomib with image-guided interventional oncologic procedures?](#)
*Poff et al (1) were able to demonstrate delayed tumor growth of murine...*13th August, 2008

Department of Radiology, Beth Israel Deaconess Medical Center, 1 Deaconess- Radiology. 2008 Aug;248(2):323-5. ([DOI Direct Link](#))

- [Pulsed high-intensity focused ultrasound enhances apoptosis and growth inhibition of squamous cell carcinoma xenografts with proteasome inhibitor bortezomib.](#)
PURPOSE: To investigate whether combining pulsed high-intensity focused...13th August, 2008
Diagnostic Radiology Department, Clinical Center and Head and Neck Surgery- Radiology. 2008 Aug;248(2):485-91. Epub 2008 Jun 23. ([DOI Direct Link](#))
- [Bancroftian filariasis--absence of Wolbachia after doxycycline treatment.](#)
OBJECTIVE: To compare the efficacy and safety of ultrasonic surgical...7th August, 2008
Institute of Medical Microbiology, Immunology and Parasitology, University- Am J Trop Med Hyg. 2008 Jun;78(6):854-5.
- [Acoustics '08. Ultrasound uses in medicine heat up.](#)
Poff et al (1) were able to demonstrate delayed tumor growth of murine...31st July, 2008
- Science. 2008 Jul 18;321(5887):338-9. ([DOI Direct Link](#))
- [High-intensity focused ultrasound ablation of liver tumours: can radiological assessment predict the histological response?](#)
Cancer therapies usually depend on cross-sectional imaging for the...22nd July, 2008
Churchill- Br J Radiol. 2008 Jul;81(967):564-71. ([DOI Direct Link](#))
- [Transurethral ultrasound applicators with dynamic multi-sector control for prostate thermal therapy: in vivo evaluation under MR guidance.](#)
The purpose of this study was to explore the feasibility and performance...10th July, 2008
Thermal Therapy Research Group, Department of Radiation Oncology,- Med Phys. 2008 May;35(5):2081-93.
- [Ultrasonic and nonultrasonic instrumentation: a systematic review and meta-analysis.](#)
OBJECTIVE: To compare the efficacy and safety of ultrasonic surgical...9th July, 2008
Department of Urology, Columbia University School of Medicine, 161 Fort- Arch Surg. 2008 Jun;143(6):592-600. ([DOI Direct Link](#))
- [Microbubbles improve the ablation efficiency of extracorporeal high intensity focused ultrasound against kidney tissues.](#)
OBJECTIVE: The necrosis rate is low when ablating kidney tissues with...3rd July, 2008
West China Women and Children's Hospital, Sichuan University, Chengdu,- World J Urol. 2008 Jul 2. ([DOI Direct Link](#))

Ultrasonic Therapy Clinical Trials:



- [Connective Tissue Manipulation and Combined Ultrasound Therapy in Patients With Fibromyalgia](#)
Fibromyalgia Interventions: Device: combined ultrasound therapy; Procedure: connective tissue manipulation



Ultrasonic Therapy Patents:

- 6454713- [Ultrasound therapeutic apparatus](#)
- 6626855- [Controlled high efficiency lesion formation using high intensity ultrasound](#)
- 6638767- [Methods for delivering compounds into a cell](#)
- 6652473- [Ultrasonic and growth factor bone-therapy: apparatus and method](#)
- 6666835- [Self-cooled ultrasonic applicator for medical applications](#)
- 6685639- [High intensity focused ultrasound system for scanning and curing tumor](#)
- 6685656- [Ultrasonic treatment for wounds](#)
- 6699040- [Material for differently modifying the optical properties of different cells](#)
- 6726627- [System and method for ultrasonic harmonic imaging for therapy guidance and monitoring](#)
- 6733468- [Cast punch](#)
- 6743779- [Methods for delivering compounds into a cell](#)
- 6623430- [Method and apparatus for safety delivering medicants to a region of tissue using imaging, therapy and temperature monitoring ultrasonic system](#)
- 6582381- [Mechanical positioner for MRI guided ultrasound therapy system](#)
- 6575956- [Methods and apparatus for uniform transcutaneous therapeutic ultrasound](#)
- 6485457- [Catheter](#)
- 6500121- [Imaging, therapy, and temperature monitoring ultrasonic system](#)
- 6500133- [Apparatus and method for producing high intensity focused ultrasonic energy for medical applications](#)
- 6503214- [Cast punch](#)
- 6508774- [Hifu applications with feedback control](#)
- 6511428- [Ultrasonic medical treating device](#)
- 6524261- [Ultrasound application device for accelerating sternum healing](#)
- 6533726- [System and method for ultrasonic harmonic imaging for therapy guidance and monitoring](#)
- 6533754- [Catheter](#)
- 6572839- [Sensitizer for tumor treatment](#)
- 6778848- [Device for the ultrasonic therapy of a female breast with parallel sound direction](#)
- 6814702- [Apparatus for measuring hemodynamic parameters](#)
- 7163399- [Ultrasonic therapy device for dental implant and therapy method therefor](#)
- 7182726- [Brachytherapy device and method](#)
- 7211054- [Method of treating a patient with a neurodegenerative disease using ultrasound](#)
- 7211060- [Ultrasound bandages](#)
- 7229411- [Imaging, therapy, and temperature monitoring ultrasonic system](#)
- 7303555- [Imaging and therapeutic procedure for carpal tunnel syndrome](#)
- 7331951- [Devices and methodologies useful in body aesthetics](#)
- 7371399- [Polymer gel containing hyaluronic acid and collagen, and its use in joints](#)
- 7377905- [Method and device for subaqueous ultrasonic irradiation of living tissue](#)
- 7393323- [Method and device for subaqueous ultrasonic irradiation of living tissue](#)
- 7163397- [Apparatus for applying material for selectively modifying the optical properties of metabolically different cells](#)
- 7128711- [Positioning systems and methods for guided ultrasound therapy systems](#)
- 7118540- [Method for use in orthodontics for accelerating tooth movement when treating patients for malocclusion](#)
- 6846290- [Ultrasound method and system](#)

- 6860852- [Ultrasound therapeutic device](#)
- 6872180- [Device and process for quantifying bodies by means of ultrasound](#)
- 6899761- [Single crystals of lead magnesium niobate-lead titanate](#)
- 6905473- [Method and device for therapy of biological tissues using an ultrasonic field](#)
- 6932308- [Transducer mounting assembly](#)
- 6949071- [Method for exploring and displaying tissue of human or animal origin from a high frequency ultrasound probe](#)
- 6953439- [Therapeutic mattress](#)
- 7078015- [Ultrasound imaging and treatment](#)
- 7087011- [Gastrointestinal system with traction member](#)
- 7413552- [Method for subaqueous ultrasonic catastrophic irradiation of living tissue](#)

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