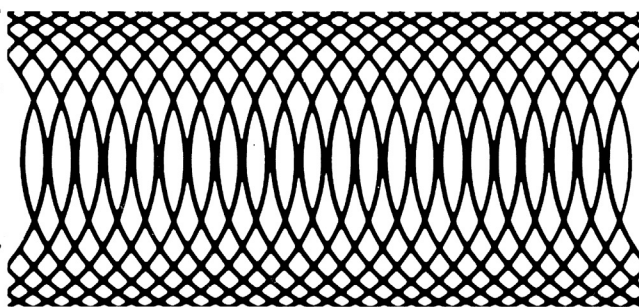


Ultrasound in medicine and biology



Volume 41 Number 8

2015

CONTENTS

● ORIGINAL CONTRIBUTIONS

- Ultrasonographic Visualization of Accessory Hepatic Veins and Their Lesions in Budd–Chiari Syndrome**
Shi-feng Cai, Yong-hao Gai, Shuang Ma, Bo Liang, Guang-chuan Wang, and Qing-wei Liu 2091
- Adding Ultrasound to the Evaluation of Patients with Pathologic Nipple Discharge to Diagnose Additional Breast Cancers: Preliminary Data**
Haesung Yoon, Jung Hyun Yoon, Eun-Kyung Kim, Hee Jung Moon, Byeong-Woo Park, and Min Jung Kim 2099
- Tissue Doppler-Derived Myocardial Acceleration during Isovolumetric Contraction Predicts Pulmonary Capillary Wedge Pressure in Patients with Significant Mitral Regurgitation**
Alaa Mabrouk Salem Omar, Mohamed Ahmed Abdel-Rahman, Hazem Khorshid, Mostafa Helmy, Hala Raslan, and Osama Rifaie 2108
- Ultrasound-Guided Perineural Injection at Guyon’s Tunnel: An Anatomic Feasibility Study**
Stefan Meng, Ines Tinhofer, Wolfgang Grisold, and Wolfgang J. Weninger 2119
- Associations between Handgrip Strength and Ultrasound-Measured Muscle Thickness of the Hand and Forearm in Young Men and Women**
Takashi Abe, Brittany R. Counts, Brian E. Barnett, Scott J. Dankel, Kofan Lee, and Jeremy P. Loenneke 2125
- Evaluation of the Temporal Acoustic Window for Transcranial Doppler in a Multi-Ethnic Population in Brazil**
Rodrigo Bazan, Gabriel Pereira Braga, Gustavo José Luvizutto, João Carlos Hueb, Newton Key Hokama, Silméia Garcia Zanati Bazan, Hélio Rubens de Carvalho Nunes, João Pereira Leite, and Octávio Marques Pontes-Neto 2131
- Effects of Ultrasound Frequency on Nanodroplet-Mediated Histotripsy**
Eli Vlaisavljevich, Omer Aydin, Yasemin Yuksel Durmaz, Kuang-Wei Lin, Brian Fowlkes, Mohamed ElSayed, and Zhen Xu 2135
- Histotripsy Lesion Formation Using an Ultrasound Imaging Probe Enabled by a Low-Frequency Pump Transducer**
Kuang-Wei Lin, Timothy L. Hall, Zhen Xu, and Charles A. Cain 2148
- Experimental and Numerical Determination of the Local Temperature Distribution during Phacoemulsification and Comparison of Different Surgery Situations within Enucleated Porcine Eyes**
Steffen Buschschlüter, Jörn von Eicken, Christian Koch, and Helmut Höh 2161

(Contents continued on next page)

INDEXED IN Index Medicus, MEDLINE, Excerpta Medica, Current Awareness in Biological Sciences, Current Contents®, Biol. Abstr., Electron. & Commun. Abstr., Safety Sci. Abstr., CABS, Appl. Mech. Rev., PASCAL-CNRS Database, Science Citation Index®, ISI Biomed, SciSearch®, Sociedad Iberoamericana de Información Científica.

ISSN 0301-5629

USMBA3 41(8) 2091–2274 (2015)

Simulation of Low-Intensity Ultrasound Propagating in a Beagle Dog Dentoalveolar Structure to Investigate the Relations between Ultrasonic Parameters and Cementum Regeneration	
Behzad Vafaeian, Saleh Al-Daghreer, Marwan El-Rich, Samer Adeeb, and Tarek El-Bialy	2173
Acoustic Cavitation-Mediated Delivery of Small Interfering Ribonucleic Acids with Phase-Shift Nano-Emulsions	
Mark T. Burgess, and Tyrone M. Porter	2191
VEGFR2-Targeted Contrast-Enhanced Ultrasound to Distinguish between Two Anti-Angiogenic Treatments	
Thomas Payen, Alexandre Dizeux, Capucine Baldini, Delphine Le Guillou-Buffello, Michele Lamuraglia, Eva Comperat, Olivier Lucidarme, and S. Lori Bridal	2202
Pulmonary Capillary Hemorrhage Induced by Fixed-Beam Pulsed Ultrasound	
Douglas L. Miller, Chunyan Dou, and Krishnan Raghavendran	2212
Panorama Ultrasound for Navigation and Guidance of Epidural Anesthesia	
Hedyeh Rafii-Tari, Victoria A. Lessoway, Allaudin A. Kamani, Purang Abolmaesumi, and Robert Rohling	2220
Assessment of Spectral Doppler for an Array-Based Preclinical Ultrasound Scanner Using a Rotating Phantom	
David A. Kenwright, Tom Anderson, Carmel M. Moran, and Peter R. Hoskins	2232
Effects of Estimators on Ultrasound Nakagami Imaging in Visualizing the Change in the Backscattered Statistics from a Rayleigh Distribution to a Pre-Rayleigh Distribution	
Po-Hsiang Tsui, Yung-Liang Wan, Dar-In Tai, and Yu-Chen Shu	2240
Placental Volumetry by 2-D Sonography with a New Mathematical Formula: Prospective Study on the Shell of a Spherical Sector Model	
Zoltan Kozinszky, Andrea Surányi, Hajnalka Péics, András Molnár, and Attila Pál	2252
● TECHNICAL NOTES	
Delivering Agents Locally into Articular Cartilage by Intense MHz Ultrasound	
Heikki J. Nieminen, Tuomo Ylitalo, Jussi-Petteri Suuronen, Krista Rahunen, Ari Salmi, Simo Saarakkala, Ritva Serimaa, and Edward Hægström	2259
Comparison Between Neck and Shoulder Stiffness Determined by Shear Wave Ultrasound Elastography and a Muscle Hardness Meter	
Ryota Akagi, and Saki Kusama	2266
● CALENDAR	2272

