EDITORIAL

Breaking the species barrier

731

REVIEW ARTICLE

Physicians' perceptions of patient safety factors: a systematic review and narrative synthesis
Abdoljavad Khajavi, Soudabeh Vatankhah, Hamid Ravaghi, Ahmad Barati, Ali Heyrani

735

ORIGINAL ARTICLES

Osteogenic differentiation of human umbilical cord-derived mesenchymal stem cells promoted by overexpression of osteirX
Shengyun Huang, Shanshan Jia, Guijun Liu, Dong Fang, Dongsheng Zhang

743

Evaluation of cancellous bone density in the alveolar bone by cone-beam computed tomography in Taiwanese adults
Chia-Hui Chen, Li-Min Lin, Chung-Ho Chen, James R. Geist, Yuk-Kwan Chen

753

The clinical relevance of urinary soluble fas (sFas) for diagnosis of bilharzial bladder cancer
Sanaa Eissa, Menha Swellam, Camelia Abdel-Malak, Mohamed Noshi Fahim, Rashad Faeed Fakhr El-Deen, Mohamed Foad Mostafa, Abeer Ibrahim Abd Al-Fattah, Mohamed Esmat

761

A case control study using radial artery pulse signals to evaluate the low pulsatility index in Koreans
TaeBum Lee, Young Huh, KiYoung Shin, SungChae Jeon

769

Isolation and cellular properties of mesenchymal stem cells from human periosteum
Thakoon Thitiset, Supranee Buranapraditkul, Siriporn Damrongsaatkul, Sittisak Honsawek

777

Growth pattern and pubertal development in patients with classic 21-hydroxylase deficiency
Supawadee Bunraungsak, Tippayakarn Klomchan, Taninee Sahakitrunguang

787
Irrigation with water during transurethral resection of the prostate (TURP) induces intravascular hemolysis
Thasinas Dissayabutra, Wattanachai Ungjaroenwathana, Chanatee Bunyaratavej, Kriengsak Prasopsanti, Piyaratana Tosukhowong

CT evaluation of anatomical variations of the internal jugular veins in Thai adults
Napat Maneenai, Kiat Arjhansiri

BRIEF COMMUNICATIONS

Genetic characterization of Nipah virus from Thai fruit bats (*Pteropus lylei*)
Supaporn Wacharaphuesadee, Thongchai Ngamprasertwong, Thongchai Kaewpom, Peerapat Kattong, Apaporn Rodpan, Sawai Wanghongs, Thiravit Hemachudha

Treatment of chronic neck pain by two combined physiotherapy programs: comparison of phonophoresis and ultrasound
Ayse Nur Oymak Soysal, Ummuhan Bas Aslan

The prevalence of fungal infections in a level I Iranian burn hospital
Mohammad Ali Bahar, Mohammad Reza Pakyari, Mazaher Gholipourmalekabadi, Ali Samadikuchaksaraei

Computational fluid dynamics study of the effect of posture on airflow characteristics inside the nasal cavity
Mohammed Zubair, Vizy Nazira Riazuddin, Mohammed Zulkifly Abdullah, Rushdan Ismail, Ibrahim Lutfi Shuaib, Kamarul Arifin Ahmad

A nonlinear model for diagnosing malignancy in patients with exudative plural effusion using routine plural fluid findings
Iraj Mirzaei-Dizgah, Mohammad-Reza Raoufi, Sayid-Mahdi Mirghazanfari, Seyyed-Javad Hosseinishoukoh

Correlation between maternal and neonatal urine iodine with thyroid-stimulating hormone (TSH) levels in Srinagarind Hospital, Khon Kaen, Thailand
Chatchai Suesirisawad, Ouyporn Panamonta, Pakaphan Kiatchooasakun, Junya Jirapradittha, Pranom Buppasiri, Jadsada Thinkhamrop

Intestinal parasitic infections: high prevalence of *Giardia intestinalis* in children living in an orphanage compared with hill-tribe children as detected by microscopy and ELISA
Jaruratt Prownebon, Phitaya Charupoonphol, Pat Saksirisampant, Thitithep Limvorapitak, Usanee Seepongpun, Wilai Saksirisampant
Normative anatomy of the anal sphincter detected with 3D-endoanal ultrasonography
Kasaya Tantiplachiva, Chucheeh Sahakitrungruang, Jirawat Pattanarun, Arun Rojanasakul

Intravenous iloprost may be an effective first-line treatment for persistent pulmonary hypertension of the newborn in limited-resource situations
Narongsak Nakwan, Jeerawan Wannaro, Narongwit Nakwan

Stress analysis of a polyethylene acetabular component in the extreme flexion position—a finite element analysis
Trai Promsang, Vajara Wilairatana, Pairat Tangpornprasert, Chanyaphan Virulsri, Pibul Itiravivong

CLINICAL REPORT

Ilizarov apparatus in Cambodia: a review of its history and versatility in a resources poor region. With case illustrations
Rupert Wharton, Suzanne Zeidler, James Gollogly, Cheng Ngiep Ou, James Aird

Reviewers for Asian Biomedicine in 2013

AUTHORS INDEX Volume 7 (2013)

KEYWORDS INDEX Volume 7 (2013)

Instruction for Authors

Ethical guidelines

Photo by: Dr. Prateep Duangkae, Faculty of Forestry, Kasetsart University, Thailand, 2013.