

# ULTRASOUND

## in Obstetrics & Gynecology

Editor in Chief: Professor Basky Thilaganathan

The Official Journal of  
the International Society of Ultrasound  
in Obstetrics and Gynecology



### CONTENTS

#### EDITORIAL

- 415 Implications of fetoplacental mosaicism on cell-free DNA testing: a review of a common biological phenomenon  
*F. R. Grati*

#### REFEREE COMMENTARIES

- 424 Perinatal outcomes and intrauterine complications following fetal intervention for congenital heart disease  
*A. J. Moon-Grady*
- 425 Narrow subpubic arch angle and persistent occiput posterior position at delivery  
*T. M. Eggebo*

#### SYSTEMATIC REVIEWS

- 426 Perinatal outcomes and intrauterine complications following fetal intervention for congenital heart disease: systematic review and meta-analysis of observational studies  
*E. Araujo Júnior, G. Tonni, M. Chung, R. Ruano and W. P. Martins*
- 434 Surgical treatment for hydrosalpinx prior to *in-vitro* fertilization embryo transfer: a network meta-analysis  
*A. Tsiami, A. Chaimani, D. Mauridis, M. Siskou, E. Assimakopoulos and A. Sotiriadis*

#### ORIGINAL PAPERS

- 446 First-trimester screening for trisomies 18 and 13, triploidy and Turner syndrome by detailed early anomaly scan  
*P. Wagner, J. Sonek, M. Hoopmann, H. Abele and K. O. Kagan*
- 452 Thick corpus callosum in the second trimester can be transient and is of uncertain significance  
*S. Shinar, J. Har-Toov, T. Lerman-Sagie and G. Malinger*
- 458 Prevalence, diagnosis and outcome of cleft lip with or without cleft palate in The Netherlands  
*J. H. Fleurke-Rozema, K. van de Kamp, M. K. Bakker, E. Pakjrt, C. M. Bilardo and R. J. M. Snijders*
- 464 Intrathymic and other anomalous courses of the left brachiocephalic vein in the fetus  
*K. Karl, E. Sinkovskaya, A. Abuhamad and R. Chaoui*
- 470 Can middle cerebral artery peak systolic velocity predict polycythemia in monochorionic-diamniotic twins? Evidence from a prospective cohort study  
*M. Fishel-Bartal, B. Weisz, S. Mazaki-Tovi, E. Ashwal, B. Chayen, S. Lipitz and Y. Yinon*
- 476 Fetal lower urinary tract obstruction: proposal for standardized multidisciplinary prenatal management based on disease severity  
*R. Ruano, N. Sananes, C. Wilson, J. Au, C. J. Koh, P. Gargollo, A. A. Shamsheer, J. Espinoza, A. Safdar, A. Moadab, N. Meyer, D. L. Cass, O. O. Olutoye, O. A. Olutoye, S. Welty, D. R. Roth, M. C. Braun and M. A. Belfort*
- 483 Fetal growth is associated with first-trimester maternal vascular function  
*C. Iacobaeus, T. Kahan, G. Jörneskog, K. Bremme, M. Thorsell and E. Andolf*
- 491 Preterm delivery and elevated maternal total vascular resistance: signs of suboptimal cardiovascular adaptation to pregnancy?  
*H. Valensise, D. Farsetti, D. Lo Presti, I. Pisani, G. M. Tiralongo, G. Gagliardi, B. Vasapollo and G. P. Novelli*

- 496 Evaluation of an automated fetal myocardial performance index  
*A. W. Welsh, P. Maheshwari, J. Wang, A. Henry, D. Chang, F. Crispi, H. M. Gardiner, E. Hernandez-Andrade, N. Meriki, S. Redmond and S. Yagel*
- 504 Prediction of morbidly adherent placenta using a scoring system  
*J. Toubin, Y. Melcer, S. Shor, M. Pekar-Zlotin, S. Mendlovic, R. Svirsky and R. Maymon*
- 511 Narrow subpubic arch angle is associated with higher risk of persistent occiput posterior position at delivery  
*T. Gbi, A. Youssef, F. Martelli, F. Bellussi, E. Aiello, G. Pilu, N. Rizzo, T. Frusca, D. Arduini and G. Rizzo*
- 516 Does it matter whether levator avulsion is diagnosed pre- or postoperatively?  
*S. S. Abdul Jalil, R. Guzman Rojas and H. P. Dietz*
- 520 Antenatal pelvic floor biometry is related to levator ani muscle injury  
*S. S. C. Chan, R. Y. K. Cheung, K. W. Yiu, L. L. Lee and T. K. H. Chung*

#### CASE REPORT

- 526 Robert's uterus: modern imaging techniques and ultrasound-guided hysteroscopic treatment without laparoscopy or laparotomy  
*A. Ludwin, I. Ludwin and W. P. Martins*

#### LETTERS TO THE EDITOR

- 530 Detection of 22q11.2 microduplication by cell-free DNA screening and chromosomal microarray in fetus with multiple anomalies  
*W.-J. Wu, G.-C. Ma, Y.-S. Lin, C.-H. Yeang, Y.-H. Ni, W.-C. Li, H.-D. Tsai, S. Shur-Fen Gau and M. Chen*
- 532 Enlarged intracranial translucency and molar tooth sign in the first trimester as features of Joubert syndrome and related disorders  
*E. Quarello*
- 534 Immediate closure of uterine wall following spontaneous rupture at 23 weeks' gestation, allowing prolongation of pregnancy  
*L. Leduc, B. Monet, A. Sansregret, R. Gauthier, J. Bourque and E. Rypens*
- 535 Transperineal use of a pocket-sized ultrasound machine vs conventional transvaginal ultrasound: a blinded comparison of cervical length in pregnancy  
*D. Wye, J. Woo, B. Mein, R. Magotti, A. Martin and R. Benzie*

#### CORRESPONDENCE

- 537 Can third-trimester assessment of uterine scar in women with prior Cesarean section predict uterine rupture?  
*M. Gonser, I. Schmeil, A. Klee and C. Zumdick*
- 538 Re: Prevalence of prenatal brain abnormalities in fetuses with congenital heart disease: a systematic review  
*F. A. R. Jansen, N. A. Blom and M. C. Haak*
- 539 Reply  
*A. Khalil, B. Thilaganathan and J. S. Carvalho*

#### PICTURE OF THE MONTH

- 541 Fetal dental panorama on three-dimensional ultrasound imaging  
*G. Couly, R. Nicot, B. Kverneland, J. Ferri and J.-M. Levailant*