

# ULTRASOUND

## in Obstetrics & Gynecology

Editor in Chief: Professor Basky Thilaganathan

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



### CONTENTS

#### OPINION

- 5 Ultrasound fetal weight estimation at term may do more harm than good  
*B. Thilaganathan*

#### REFEREE COMMENTARIES

- 9 Small-for-gestational-age babies after 37 weeks  
*K. E. Boers*
- 10 *De-novo* abnormal uteroplacental circulation in third trimester  
*J. Morales-Roselló*

#### SYSTEMATIC REVIEWS

- 11 Weight discordance and perinatal mortality in twin pregnancy: systematic review and meta-analysis  
*F. D'Antonio, A. O. Odibo, F. Prefumo, A. Khalil, D. Buca, M. E. Flacco, M. Liberati, L. Manzoli and G. Acharya*
- 24 Prenatal diagnosis of total and partial anomalous pulmonary venous connection: multicenter cohort study and meta-analysis  
*D. Paladini, A. Pistorio, L. H. Wu, G. Meccariello, T. Lei, G. Tuo, G. Donarini, M. Marasini and H.-N. Xie*

#### ORIGINAL PAPERS

- 35 Ultrasonographic estimation of fetal weight: development of new model and assessment of performance of previous models  
*A. Hammami, A. Mazer Zumaeta, A. Syngelaki, R. Akolekar and K. H. Nicolaidis*
- 44 Fetal Medicine Foundation fetal and neonatal population weight charts  
*K. H. Nicolaidis, D. Wright, A. Syngelaki, A. Wright and R. Akolekar*
- 52 Prediction and prevention of small-for-gestational-age neonates: evidence from SPREE and ASPRE  
*M. Y. Tan, L. C. Poon, D. L. Robnik, A. Syngelaki, C. de Paco Matallana, R. Akolekar, S. Cicero, D. Janga, M. Singh, F. S. Molina, N. Persico, J. C. Jani, W. Plasencia, E. Greco, G. Papaioannou, D. Wright and K. H. Nicolaidis*
- 60 *De-novo* abnormal uteroplacental circulation in third trimester: pregnancy outcome and pathological implications  
*J. Binder, C. Monaghan, B. Thilaganathan, S. Carta and A. Khalil*
- 66 Small-for-gestational-age babies after 37 weeks: impact study of risk-stratification protocol  
*M. Veglia, A. Cavallaro, A. Papageorgiou, R. Black and L. Impey*
- 72 Perinatal loss at term: role of uteroplacental and fetal Doppler assessment  
*C. Monaghan, J. Binder, B. Thilaganathan, J. Morales-Roselló and A. Khalil*
- 78 Blinded ultrasound fetal biometry at 36 weeks and risk of emergency Cesarean delivery in a prospective cohort study of low-risk nulliparous women  
*U. Sovio and G. C. S. Smith*
- 87 Traditionally *vs* sonographically coached pushing in second stage of labor: a pilot randomized controlled trial  
*F. Bellussi, L. Alcamisi, G. Guizzardi, D. Parma and G. Pilu*

- 91 Visual biofeedback using transperineal ultrasound in second stage of labor  
*Y. Gilboa, T. I. Frenkel, Y. Schlesinger, S. Rousseau, D. Hamiel, R. Achiron and S. Perlman*
- 97 Automatic segmentation of puborectalis muscle on three-dimensional transperineal ultrasound  
*F. van den Noort, A. T. M. Grob, C. H. Slump, C. H. van der Vaart and M. van Stralen*
- 103 How to measure size of tubal ectopic pregnancy on ultrasound  
*K. Rajah, V. Goodhart, K. P. Zamora, T. Amin, E. Jauniaux and D. Jurkovic*
- 110 PROspective Imaging of CErvical cancer and neoadjuvant treatment (PRICE) study: role of ultrasound to assess residual tumor in locally advanced cervical cancer patients undergoing chemoradiation and radical surgery  
*A. C. Testa, F. Moro, T. Pasciuto, M. C. Moruzzi, A. Di Legge, G. Fuoco, R. Autorino, A. Collarino, B. Gui, G. F. Zannoni, A. Gambacorta, M. Miccò, V. Rufini, G. Scambia and G. Ferrandina*

#### LETTERS TO THE EDITOR

- 119 Tracheal dilatation as sign of fetal airway obstruction in case of oral cavity tumor  
*W. Ventura, R. H. Novoa, C. I. Lazarte-Rantes, W. Castillo-Urquiaga, M. Zárate-Girao, C. Hernandez-Mansilla and J. Ingar-Pinedo*
- 120 Prenatal sonographic diagnosis of acardiac twin embedded within placenta  
*D. M. Sherer, M. Dalloul, M. Garza, L. Benton and O. Abulafia*
- 121 Clinical and ultrasound features of non-gestational ovarian choriocarcinoma  
*F. Mascilini, F. Moro, F. M. Di Grazia, M. Leombroni, M. G. Distefano, F. Fanfani, G. Scambia and A. C. Testa*

#### CORRESPONDENCE

- 124 Re: Three-dimensional ultrasound imaging of intra-abdominal cervical-isthmus cerclage  
*S. Vigoureux, M.-E. Neveu, P. Capmas, J.-M. Levailant, M.-V. Senat and H. Fernandez*
- 125 Reply  
*K. Ichizuka and K. Seo*

#### PICTURE OF THE MONTH

- 126 Soft-tissue mass of fetal scalp with abnormal course of dural sinuses  
*A. Weissmann-Brenner, E. Kassif, E. Katorza, R. Achiron and Y. Gilboa*

#### GUIDELINE

- 128 ISUOG Practice Guidelines: intrapartum ultrasound