

# 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

- 679 Fetal cerebral magnetic resonance imaging, neurosonography and the brave new world of fetal medicine  
*G. Malinge, D. Paladini, G. Pilu and I. E. Timor-Tritsch*

### REFEREE COMMENTARIES

- 681 Influence of chorionicity and gestational age at single fetal loss on risk of preterm birth in twin pregnancy  
*P. Klaritsch*
- 682 Automatic ultrasound technique to measure angle of progression  
*N. Volpe*

### SYSTEMATIC REVIEWS

- 683 Cardiac remodeling in normotensive pregnancy and in pregnancy complicated by hypertension: systematic review and meta-analysis  
*S. de Haas, C. Ghossein-Doha, L. Geerts, S. M. J. van Kuijk, J. van Drongelen and M. E. A. Spaanderman*
- 697 Physiological adaptation of endothelial function to pregnancy: systematic review and meta-analysis  
*V. A. Lopes van Balen, T. A. G. van Gansewinkel, S. de Haas, S. M. J. van Kuijk, J. van Drongelen, C. Ghossein-Doha and M. E. A. Spaanderman*

### ORIGINAL PAPERS

- 709 Periconceptional maternal 'high fish and olive oil, low meat' dietary pattern is associated with increased embryonic growth: The Rotterdam Periconceptional Cohort (Predict) Study  
*F. Parisi, M. Rousian, N. A. Huijen, A. H. J. Konings, S. P. Willenssen, J. H. M. de Vries, I. Cetin, E. A. P. Steegers and R. P. M. Steegers-Theunissen*
- 717 Progressive lesions of central nervous system in microcephalic fetuses with suspected congenital Zika virus syndrome  
*M. Sarno, M. Aquino, K. Pimentel, R. Cabral, G. Costa, F. Bastos and C. Brites*
- 723 Influence of chorionicity and gestational age at single fetal loss on risk of preterm birth in twin pregnancy: analysis of STORK multiple pregnancy cohort  
*F. D'Antonio, B. Thilaganathan, T. Dias and A. Khalil, on behalf of the Southwest Thames Obstetric Research Collaborative (STORK)*
- 728 Fetoscopic laser coagulation in 1020 pregnancies with twin-twin transfusion syndrome demonstrates improvement in double-twin survival rate  
*W. Diehl, A. Diemert, D. Grasso, S. Sehner, K. Wegscheider and K. Hecher*
- 736 Anatomical subgroup analysis of the MERIDIAN cohort: ventriculomegaly  
*P. D. Griffiths, K. Brackley, M. Bradburn, D. J. A. Connolly, M. L. Gaune-Cain, D. I. Griffiths, M. D. Kilby, L. Mandefield, C. Mooney, S. C. Robson, B. Vollmer and G. Mason*
- 745 Anatomical subgroup analysis of the MERIDIAN cohort: posterior fossa abnormalities  
*P. D. Griffiths, K. Brackley, M. Bradburn, D. J. A. Connolly, M. L. Gaune-Cain, M. D. Kilby, L. Mandefield, C. Mooney, S. C. Robson, B. Vollmer and G. Mason*
- 753 Anatomical subgroup analysis of the MERIDIAN cohort: failed commissuration  
*P. D. Griffiths, K. Brackley, M. Bradburn, D. J. A. Connolly, M. L. Gaune-Cain, D. I. Griffiths, M. D. Kilby, L. Mandefield, C. Mooney, S. C. Robson, B. Vollmer and G. Mason*

- 761 Impaired maternal hemodynamics in morbidly obese women: a case-control study  
*D. Vinayagam, J. Gutierrez, J. Binder, E. Mantovani, B. Thilaganathan and A. Khalil*
- 766 Automatic ultrasound technique to measure angle of progression during labor  
*F. Conversano, M. Peccarisi, P. Pisani, M. Di Paola, T. De Marco, R. Franchini, A. Greco, G. D'Ambrogio and S. Casciaro*
- 776 Levator ani muscle avulsion is a risk factor for expulsion within 1 year of vaginal pessary placed for pelvic organ prolapse  
*R. Y. K. Cheung, J. H. S. Lee, L. L. Lee, T. K. H. Chung and S. S. C. Chan*
- 781 Treatment of cervical pregnancy with ultrasound-guided local methotrexate injection  
*M. Yamaguchi, R. Honda, C. Erdenebaatar, M. Monsur, T. Honda, I. Sakaguchi, Y. Okamura, T. Ohba and H. Katabuchi*
- 788 Imaging in gynecological disease (12): clinical and ultrasound features of invasive and non-invasive malignant serous ovarian tumors  
*F. Moro, C. Baima Poma, G. F. Zannoni, A. Vidal Urbinati, T. Pasciuto, M. Ludovisi, M. C. Moruzzi, S. Carinelli, D. Franchi, G. Scambia and A. C. Testa*

### LETTERS TO THE EDITOR

- 800 Morbid adherence of the placenta: lack of specificity should remind us that ultrasound is a screening tool  
*A. Bhide, K. Leslie, E. Chandraharan and K. Hayes*
- 801 Recurrent fetal thyrotoxicosis in woman with history of Hashimoto's thyroiditis  
*C. Rodó, F. Deambrogio, L. Serra, S. Pina and M. Á. Sánchez-Durán*
- 802 Small cell lung cancer metastatic to the ovary diagnosed during pregnancy  
*F. Moro, F. Mascilini, E. Casella, T. Pasciuto, G. Scambia and A. C. Testa*

### CORRESPONDENCE

- 804 ISUOG Guidelines for fetal MRI: a response to 3-T fetal imaging and limited fetal exams  
*R. Barth, T. Victoria, B. Kline-Fath and J. Estroff, on behalf of the Society for Pediatric Radiology Fetal Imaging Committee*
- 805 Reply  
*D. Prayer, G. Malinge, D. Twickler and N. Raine-Fenning, on behalf of all authors and ISUOG's Clinical Standards Committee*
- 805 Alternative explanations for linking chronic hypertension to adverse pregnancy outcome  
*H. Boulanger, S. Ahriz Saksi and D. Ekoukou*
- 806 Reply  
*A. M. Panaitescu and K. H. Nicolaides*

### PICTURE OF THE MONTH

- 808 Hysterosalpingo-lidocaine-foam sonography combined with power Doppler imaging (HyLiFoSy-PD) in tubal patency assessment: 'flaming tube' sign  
*A. Ludwin, C. O. Nastri, I. Ludwin and W. P. Martins*

### CONGRESS REPORT

- 811 27<sup>th</sup> World Congress on Ultrasound in Obstetrics and Gynecology, 16–19 September 2017, Vienna, Austria: presentations and awards

### ACKNOWLEDGMENT OF REFEREES

- 820 Acknowledgment of Referees, 2017