

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

- 559 Morbidly adherent placenta: the need for standardization
A. Bhide, N. Sebire, A. Abuhamad, G. Acharya and R. Silver

REFEREE COMMENTARIES

- 564 Increased nuchal translucency and neurodevelopmental disorders
C. M. Bilardo
- 565 Myocardial deformation in fetuses with coarctation of the aorta
F. Crispi
- 565 Validation of models to calculate risk of endometrial malignancy
D. Jurkovic

RANDOMIZED CONTROLLED TRIAL

- 567 Prevention of preterm birth with pessary in twins (PoPPT): a randomized controlled trial
V. Berghella, L. Dugoff and J. Ludmir

SYSTEMATIC REVIEWS

- 573 Early prediction of twin-to-twin transfusion syndrome: systematic review and meta-analysis
V. Stagnati, C. Zanardini, A. Fichera, G. Pagani, R. A. Quintero, R. Bellocchio and F. Prefumo
- 583 Blastocyst vs cleavage-stage embryo transfer: systematic review and meta-analysis of reproductive outcomes
W. P. Martins, C. O. Nastri, L. Rienzi, S. Z. van der Poel, C. Gracia and C. Racowsky

ORIGINAL PAPERS

- 592 Increased nuchal translucency thickness and risk of neurodevelopmental disorders
S. G. Hellmuth, L. H. Pedersen, C. B. Miltoft, O. B. Petersen, S. Kjærgaard, C. Ekelund and A. Tabor
- 599 Total pregnancy loss after chorionic villus sampling and amniocentesis: a cohort study
M. Bakker, E. Birnie, P. Robles de Medina, K. M. Sollie, E. Pajkrt and C. M. Bilardo
- 607 Preterm prelabor rupture of membranes after fetoscopic laser surgery for twin–twin transfusion syndrome
S. Snowise, L. K. Mann, K. J. Moise Jr, A. Johnson, M. W. Bebbington and R. Papanna
- 612 Preterm delivery after fetoscopic laser surgery for twin–twin transfusion syndrome: etiology and risk factors
A. Malshe, S. Snowise, L. K. Mann, N. Boring, A. Johnson, M. W. Bebbington, K. J. Moise Jr and R. Papanna
- 617 Sequential fetal serum β -microglobulin to predict postnatal renal function in bilateral or low urinary tract obstruction
E. Spaggiari, G. Faure, S. Dreux, I. Czerkiewicz, J. J. Stirnemann, F. Guimiot, L. Heidet, R. Favre, L. J. Salomon, J. F. Oury, Y. Ville and F. Müller
- 623 Myocardial deformation in fetuses with coarctation of the aorta: a case-control study
J. O. Miranda, L. Hunter, S. Tibby, G. Sharland, O. Miller and J. M. Simpson
- 630 Fetal myocardial deformation in maternal diabetes mellitus and obesity
A. Kulkarni, L. Li, M. Craft, M. Nanda, J. M. M. Lorenzo, D. Danford and S. Kutty

- 637 Prenatal diagnosis of absent pulmonary valve syndrome from first trimester onwards: novel insights into pathophysiology, associated conditions and outcome
I. Gottschalk, C. Jehle, U. Herberg, J. Breuer, K. Brockmeier, G. Bennink, A. Hellmund, B. Strizek, U. Gembruch, A. Geipel and C. Berg
- 643 Use of double decidual sac sign to confirm intrauterine pregnancy location prior to sonographic visualization of embryonic contents
A. Richardson, J. Hopkisson, B. Campbell and N. Raine-Fenning
- 649 Prospective temporal validation of mathematical models to calculate risk of endometrial malignancy in patients with postmenopausal bleeding
P. Sladkevicius, G. Opolskiene and L. Valentin

LETTERS TO THE EDITOR

- 657 Intrapartum transvaginal sonographic imaging of menum posterior presentation at 39 weeks' gestation
D. M. Sherer, M. Dalloul, V. London, L. Benton, M. Liriano and O. Abulafia
- 658 Persistent maternal Zika viremia: a marker of fetal infection
B. Schaub, A. Monthieux, F. Najjoullah, C. Adenet, F. Muller and R. Césaire
- 660 Prenatal diagnosis of double aortic arch: can we predict airway obstruction (pseudo-CHAOS) and need for airway EXIT?
D. P. Naidu, C. Wohlmuth and H. M. Gardiner
- 661 Simultaneous evaluation of fetal cerebrovascular Doppler ultrasound and maternal glucose homeostasis in normal pregnancy
Q. C. Ianniciello, J. Troisi, M. Niola, C. De Rosa, M. Rinaldi and M. Guida

CORRESPONDENCE

- 663 Re: Prediction of delivery time in second stage of labor using transperineal ultrasound
B. Tutschek, T. Braun, F. Chantraine and W. Henrich
- 664 Reply
N. Yonetani and R. Yamamoto
- 664 Re: Impact of aspirin on trophoblastic invasion in women with abnormal uterine artery Doppler at 11–14 weeks
S. Demers, S. Roberge and F. Bujold
- 665 Reply
E. Scazzocchio, D. Oros, D. Diaz, J. C. Ramirez, M. Ricart, E. Meler, R. González de Agüero, E. Gratacos and F. Figueras
- 665 Re: Screening for pre-eclampsia using sFlt-1/PIGF ratio cut-off of 38 at 30–37 weeks' gestation
M. Vatish, H. Stepan, M. Hund and S. Verlohren, on behalf of all PROGNOSIS investigators and coauthors
- 666 Reply
R. Akolekar, on behalf of coauthors

PICTURE OF THE MONTH

- 668 Cornelia de Lange syndrome: specific features for prenatal diagnosis
E. Thellier, J. M. Levaillant, J. Roume, E. Quarrell and J. P. Bault

ISUOG GUIDELINES

- 671 ISUOG Practice Guidelines: performance of fetal magnetic resonance imaging