

# Julene Carvalho

## List of Publications by Citations

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98  
papers

2,761  
citations

28  
h-index

51  
g-index

108  
ext. papers

3,230  
ext. citations

5.6  
avg, IF

4.85  
L-index

| #  | Paper   | IF  | Citations |
|----|---|-----|-----------|
| 98 | ISUOG Practice Guidelines (updated): sonographic screening examination of the fetal heart. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2013</b> , 41, 348-59  | 5.8 | 354       |
| 97 | Improving the effectiveness of routine prenatal screening for major congenital heart defects. <i>British Heart Journal</i> , <b>2002</b> , 88, 387-91   |     | 235       |
| 96 | Development of Z-scores for fetal cardiac dimensions from echocardiography. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2005</b> , 26, 599-605  | 5.8 | 200       |
| 95 | ISUOG consensus statement: what constitutes a fetal echocardiogram?. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2008</b> , 32, 239-42  | 5.8 | 114       |
| 94 | Limitations of using first-trimester nuchal translucency measurement in routine screening for major congenital heart defects. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2001</b> , 17, 106-10   | 5.8 | 113       |
| 93 | First-trimester transabdominal fetal echocardiography. <i>Lancet, The</i> , <b>1998</b> , 351, 1023-7   | 4.0 | 105       |
| 92 | Brain abnormalities and neurodevelopmental delay in congenital heart disease: systematic review and meta-analysis. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2014</b> , 43, 14-24   | 5.8 | 102       |
| 91 | Screening for fetal aneuploidies and fetal cardiac abnormalities by nuchal translucency thickness measurement at 10-14 weeks of gestation as part of routine antenatal care in an unselected population. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , <b>1999</b> , 106, 1029-34 | 3.7 | 89        |
| 90 | Isolated major congenital heart disease. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2001</b> , 17, 370-9   | 5.8 | 83        |
| 89 | The anatomy of the umbilical, portal and hepatic venous systems in the human fetus at 14-19 weeks of gestation. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2001</b> , 18, 598-604  | 5.8 | 69        |
| 88 | Continuous wave Doppler echocardiography and coarctation of the aorta: gradients and flow patterns in the assessment of severity. <i>Heart</i> , <b>1990</b> , 64, 133-7  | 5.1 | 62        |
| 87 | Total anomalous pulmonary venous connection: impact of prenatal diagnosis. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2012</b> , 40, 310-8   | 5.8 | 58        |
| 86 | Clinical impact of first and early second trimester fetal echocardiography on high risk pregnancies. <i>Heart</i> , <b>2004</b> , 90, 921-6   | 5.1 | 58        |
| 85 | Evaluation of fetal arrhythmias from simultaneous pulsed wave Doppler in pulmonary artery and vein. <i>Heart</i> , <b>2007</b> , 93, 1448-53  | 5.1 | 52        |
| 84 | Fetuses with right aortic arch: a multicenter cohort study and meta-analysis. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2016</b> , 47, 423-32   | 5.8 | 52        |
| 83 | Prevalence of prenatal brain abnormalities in fetuses with congenital heart disease: a systematic review. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2016</b> , 48, 296-307  | 5.8 | 51        |
| 82 | Fetal telemedicine: six month pilot of real-time ultrasound and video consultation between the Isle of Wight and London. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , <b>1996</b> , 103, 1092-5  | 3.7 | 47        |

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|----|---|-----|----|
| 81 | Natural history of 107 cases of fetal aortic stenosis from a European multicenter retrospective study. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2016</b> , 48, 373-81                                      | 5.8 | 44 |
| 80 | Coronary arterial anatomy in tetralogy of Fallot: morphological and clinical correlations. <i>Heart</i> , <b>1998</b> , 80, 174-83  | 5.1 | 39 |
| 79 | Right and left ventricular long-axis function in the fetus using angular M-mode. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2001</b> , 18, 619-22  | 5.8 | 37 |
| 78 | Congenital absence of portal vein in the fetus: a case report. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2001</b> , 17, 71-5  | 5.8 | 36 |
| 77 | The human ductus venosus between 13 and 17 weeks of gestation: histological and morphometric studies. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2002</b> , 19, 39-46  | 5.8 | 35 |
| 76 | Assessment of the intraobserver variability in the measurement of fetal cardiothoracic ratio using ellipse and diameter methods. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2006</b> , 28, 53-6              | 5.8 | 34 |
| 75 | Fetal congenital cardiac diverticulum with pericardial effusion: two cases with different presentations in the first trimester of pregnancy. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2005</b> , 25, 405-8 | 5.8 | 32 |
| 74 | Fetal hemodynamic response to aortic valvuloplasty and postnatal outcome: a European multicenter study. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2018</b> , 52, 221-229                                    | 5.8 | 31 |
| 73 | Angiographic diagnosis of anomalous coronary artery in tetralogy of Fallot. <i>Heart</i> , <b>1993</b> , 70, 75-8   | 5.1 | 31 |
| 72 | Perinatal changes in cardiac geometry and function in growth-restricted fetuses at term. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2019</b> , 53, 655-662   | 5.8 | 28 |
| 71 | Pulmonary atresia with intact ventricular septum: from fetus to adult: congenital heart disease. <i>Heart</i> , <b>2008</b> , 94, 1350-7  | 5.1 | 25 |
| 70 | Early prenatal diagnosis of major congenital heart defects. <i>Current Opinion in Obstetrics and Gynecology</i> , <b>2001</b> , 13, 155-9   | 2.4 | 24 |
| 69 | Nuchal translucency, ductus venosus and congenital heart disease: an important association--a cautious analysis. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>1999</b> , 14, 302-6                             | 5.8 | 24 |
| 68 | Ultrasound-guided interstitial laser therapy for the treatment of placental chorioangioma. <i>Obstetrics and Gynecology</i> , <b>2003</b> , 102, 1189-91  | 4.9 | 23 |
| 67 | Perinatal changes in fetal cardiac geometry and function in diabetic pregnancy at term. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2019</b> , 54, 634-642  | 5.8 | 22 |
| 66 | Prognostic value of posterior wall thickness in childhood dilated cardiomyopathy and myocarditis. <i>European Heart Journal</i> , <b>1996</b> , 17, 1233-8  | 9.5 | 20 |
| 65 | Prenatal findings and differential diagnosis of scimitar syndrome and pulmonary sequestration. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2010</b> , 35, 398-404   | 5.8 | 19 |
| 64 | Cardiomyopathy of glycogen storage disease type III. <i>Heart and Vessels</i> , <b>1993</b> , 8, 155-9  | 2.1 | 19 |

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|----|---|-----|----|
| 63 | Significance of chromosome 22q11 analysis after detection of an increased first-trimester nuchal translucency. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2001</b> , 18, 32-4  | 5.8 | 18 |
| 62 | Screening for heart defects in the first trimester of pregnancy: food for thought. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2010</b> , 36, 658-60  | 5.8 | 17 |
| 61 | ISUOG consensus statement on current understanding of the association of neurodevelopmental delay and congenital heart disease: impact on prenatal counseling. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2017</b> , 49, 287-288 | 5.8 | 16 |
| 60 | Single umbilical artery and congenital heart disease in selected and unselected populations. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2010</b> , 35, 552-5   | 5.8 | 16 |
| 59 | Fetal aortopulmonary window: case series and review of the literature. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2017</b> , 49, 533-539   | 5.8 | 15 |
| 58 | The fetal heart or the lymphatic system or ...? The quest for the etiology of increased nuchal translucency. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2005</b> , 25, 215-20  | 5.8 | 14 |
| 57 | Prenatal diagnosis of mosaic trisomy 8 in a fetus with normal nuchal translucency thickness and reversed end-diastolic ductus venosus flow. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2001</b> , 17, 341-3                      | 5.8 | 14 |
| 56 | Isolated echogenic foci in the fetal heart: do they increase the risk of trisomy 21 in a population previously screened by nuchal translucency?. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2001</b> , 18, 126-30                | 5.8 | 13 |
| 55 | Impact of audit of routine second-trimester cardiac images using a novel image-scoring method. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2009</b> , 33, 545-51  | 5.8 | 12 |
| 54 | OC254: Dynamics of the flap valve of the foramen ovale in the fetus and false positive diagnosis of coarctation of the aorta. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2003</b> , 22, 67-68                                    | 5.8 | 12 |
| 53 | Increased first-trimester fetal nuchal translucency thickness in association with chondroectodermal dysplasia (Ellis-Van Creveld syndrome). <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2005</b> , 25, 412-4                      | 5.8 | 12 |
| 52 | Infection of modified Blalock shunts. <i>Heart</i> , <b>1987</b> , 58, 287-90   | 5.1 | 12 |
| 51 | Does digoxin have a place in the treatment of the child with congenital heart disease?. <i>Cardiovascular Drugs and Therapy</i> , <b>1989</b> , 3, 21-4   | 3.9 | 11 |
| 50 | Fetal echocardiography. A sophisticated tool in obstetrics. <i>Minerva Cardioangiologica</i> , <b>2005</b> , 53, 129-38   | 1.1 | 11 |
| 49 | Interrupted inferior vena cava in fetuses with omphalocele. Case series of fetuses referred for fetal echocardiography and review of the literature. <i>Early Human Development</i> , <b>2015</b> , 91, 1-6                               | 2.2 | 10 |
| 48 | Prenatal diagnosis of an aberrant right subclavian artery: four vessels arising from the aortic arch?. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2009</b> , 33, 492-3; author reply 493-4                                       | 5.8 | 9  |
| 47 | Two- and three-dimensional imaging of coarctation shelf in the human fetus. <i>Heart</i> , <b>2008</b> , 94, 584  | 5.1 | 9  |
| 46 | Criss-cross heart: report of three cases with double-inlet ventricles diagnosed in utero. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2008</b> , 31, 461-5  | 5.8 | 9  |

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|----|---|------|---|
| 45 | Hepatic venous connection to a persistent inferior caval vein in left isomerism. <i>European Heart Journal</i> , <b>1990</b> , 11, 845-7  | 9.5  | 9 |
| 44 | Fetal dysrhythmias. <i>Best Practice and Research in Clinical Obstetrics and Gynaecology</i> , <b>2019</b> , 58, 28-41  | 4.6  | 9 |
| 43 | The cobweb syndrome: first trimester sonographic diagnosis of multiple amniotic bands confirmed by fetoscopy and pathological examination. <i>Human Reproduction</i> , <b>1998</b> , 13, 2966-9   | 5.7  | 7 |
| 42 | Images in cardiovascular medicine. Situs inversus with complete transposition in the fetus: diagnostic antenatal sequential segmental analysis. <i>Circulation</i> , <b>1997</b> , 96, 4432-3   | 16.7 | 7 |
| 41 | Anatomic correction for post-mustard pulmonary venous obstruction. <i>Annals of Thoracic Surgery</i> , <b>1994</b> , 57, 1655-6   | 2.7  | 6 |
| 40 | The investigation and diagnosis of tricuspid atresia. <i>International Journal of Cardiology</i> , <b>1990</b> , 27, 1-17   | 3.2  | 6 |
| 39 | NKX2.5/NKX2.6 mutations are not a common cause of isolated type 1 truncus arteriosus in a small cohort of multiethnic cases. <i>Genetic Testing and Molecular Biomarkers</i> , <b>2008</b> , 12, 467-9  |      | 5 |
| 38 | OC062: The aortic isthmus - ductal angle: A novel measurement to diagnose fetal aortic coarctation. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2008</b> , 32, 262-263  | 5.8  | 5 |
| 37 | Primary bradycardia: keys and pitfalls in diagnosis. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2014</b> , 44, 125-30  | 5.8  | 4 |
| 36 | OC163: Sustained fetal bradycardia: mechanisms and pitfalls. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2006</b> , 28, 407-407   | 5.8  | 4 |
| 35 | Left ventricular torsional mechanics in term fetuses and neonates. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2020</b> , 55, 233-241   | 5.8  | 4 |
| 34 | Total anomalous pulmonary venous connection to unroofed coronary sinus diagnosed in a fetus with spinal muscular atrophy Type I. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2017</b> , 50, 657-658                                     | 5.8  | 3 |
| 33 | 'Just-flow' images of the fetal heart: insights into interventricular shunting across a small ventricular septal defect and enhanced visualization of the fetal heart. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2013</b> , 41, 226-7 | 5.8  | 3 |
| 32 | Anomalous origin of the left coronary artery from the pulmonary trunk. Clinical features and midterm results after surgical treatment. <i>Arquivos Brasileiros De Cardiologia</i> , <b>1999</b> , 72, 307-20                                    | 1.2  | 3 |
| 31 | Efficacy unproved of maternal dexamethasone for fetal heart block. <i>American Journal of Obstetrics and Gynecology</i> , <b>1996</b> , 175, 502-3  | 6.4  | 3 |
| 30 | Cross sectional echocardiography for recognition of ventricular topology in atrioventricular septal defect. <i>Heart</i> , <b>1989</b> , 61, 285-8  | 5.1  | 3 |
| 29 | Urgent neonatal balloon atrial septostomy in simple transposition of the great arteries: predictive value of fetal cardiac parameters. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2021</b> , 57, 756-768                               | 5.8  | 3 |
| 28 | Reply: To PMID 23737029. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2014</b> , 44, 119-20  | 5.8  | 2 |

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|----|--|------|---|
| 27 | Dilated endocardial fibroelastosis: unusual late finding with congenital hydrops. <i>Pediatric Cardiology</i> , <b>1997</b> , 18, 389-91   | 2.1  | 2 |
| 26 | OC136: Power Doppler echocardiography makes it possible to visualize the aortic coarctation shelf in the fetus. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2007</b> , 30, 409-409   | 5.8  | 2 |
| 25 | Increased nuchal translucency and ventricular septal defect in the fetus. <i>Circulation</i> , <b>1999</b> , 99, E10   | 16.7 | 2 |
| 24 | Do asymptomatic school children have normal haemodynamics 6-13 years after Mustard's operation?. <i>International Journal of Cardiology</i> , <b>1990</b> , 26, 259-70   | 3.2  | 2 |
| 23 | 'Just-flow' visualization of aortic arch in fetuses $\geq$ 6 weeks. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2019</b> , 53, 852-854   | 5.8  | 1 |
| 22 | P12.03: E-Flow in fetal echocardiography: a tool to enhance visualisation of the aortic arch. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2010</b> , 36, 212-212   | 5.8  | 1 |
| 21 | Re: Fetal aortic isthmus growth and morphology in late gestation. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2002</b> , 20, 100-1; author reply 101   | 5.8  | 1 |
| 20 | Re: Foramen ovale changes in growth-restricted fetuses. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2005</b> , 25, 95; author reply 95-6   | 5.8  | 1 |
| 19 | OC11.06: Off-line free angular M-mode is useful diagnostic tool in fetal arrhythmias. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2005</b> , 26, 327-327   | 5.8  | 1 |
| 18 | Two- and three-dimensional imaging of coarctation shelf in the human fetus. <i>BMJ Case Reports</i> , <b>2009</b> , 2009, bcr2007130294  | 0.9  | 1 |
| 17 | Re: Head growth in fetuses with isolated congenital heart defects: lack of influence of aortic arch flow and ascending aorta oxygen saturation. F. A. R. Jansen, E. W. van Zwet, M. E. B. Rijlaarsdam, E. Pajkrt, C. L. van Velzen, H. R. Zuurveen, A. Kragt, C. L. Bax, S.-A. B. Clur, J. M. M. van Lith, N. A. Blom and M. C. Haak. <i>Ultrasound Obstet Gynecol</i> <b>2016</b> ; <b>48</b> : 357-364. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2019</b> , 53, 48-48 | 5.8  | 1 |
| 16 | Half peak systolic velocity deceleration time: a new index for umbilical artery Doppler, but not a new Doppler parameter for waveform quantification. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2008</b> , 31, 716; author reply 717   | 5.8  | 0 |
| 15 | Fetal diagnosis of left ventricular tumour with pericardial extension persisting into childhood. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , <b>2013</b> , 98, F355  | 4.7  |   |
| 14 | OP02.09: Aortic isthmus Z-score: Does it identify individual cases of coarctation of the aorta at 19-27 weeks of gestation?. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2008</b> , 32, 314-315  | 5.8  |   |
| 13 | P26.10: The additional value of 3D ultrasound in fetuses suspected of having coarctation of the aorta. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2008</b> , 32, 406-406  | 5.8  |   |
| 12 | OC136: Effectiveness of bidirectional power Doppler in first- and early second-trimester fetal echocardiography. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2006</b> , 28, 398-398  | 5.8  |   |
| 11 | OC150: Audit of second-trimester cardiac images: image scoring method. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2006</b> , 28, 403-403  | 5.8  |   |
| 10 | OP04.07: Increased nuchal translucency associated with absent pulmonary valve-like syndrome identified in the first trimester. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2006</b> , 28, 440-440  | 5.8  |   |

- 9 OP04.09: Pulmonary blood supply in pulmonary atresia with ventricular septal defect: prenatal identification of systemic to pulmonary collateral arteries. *Ultrasound in Obstetrics and Gynecology*, **2006**, 28, 441-441 5.8
- 8 P04.15: Aortic dilation on fetal echocardiography—evidence of an in-utero manifestation of Marfan syndrome?. *Ultrasound in Obstetrics and Gynecology*, **2006**, 28, 555-556 5.8
- 7 OC007: Long axis ventricular function in normal fetuses. *Ultrasound in Obstetrics and Gynecology*, **2004**, 24, 218-218 5.8
- 6 P01.29: Dysplastic semilunar valves in trisomy 13 and 18—prenatal recognition of a common association. *Ultrasound in Obstetrics and Gynecology*, **2004**, 24, 276-276 5.8
- 5 P180: Prenatal findings and differential diagnosis of Scimitar syndrome and pulmonary sequestration. *Ultrasound in Obstetrics and Gynecology*, **2003**, 22, 118-118 5.8
- 4 P300: Natural and unnatural history of first trimester cardiac diverticula. *Ultrasound in Obstetrics and Gynecology*, **2003**, 22, 151-151 5.8
- 3 OC15.02: What can we diagnose in the first trimester?. *Ultrasound in Obstetrics and Gynecology*, **2005**, 26, 333-333 5.8
- 2 P05.07: Sequential segmental analysis in the fetus with cardiac abnormalities. *Ultrasound in Obstetrics and Gynecology*, **2005**, 26, 411-412 5.8
- 1 Reply. *Ultrasound in Obstetrics and Gynecology*, **2016**, 48, 539-540 5.8