

Professor Gurleen Sharland's publications

Books

1. Sharland G. Fetal Cardiology Simplified. 2013 tfm Publishing Limited, Shrewsbury, UK
2. Allan L, Hornberger L, Sharland G. Textbook of Fetal Cardiology. Greenwich Medical Media Limited, London, 2000
3. 2013Allan LD, Sharland GK, Cook AC. A colour atlas of fetal echocardiography. Wolfe Publishing, 1994.

Papers

1. Sharland GK, Konta L, Qureshi SA. Prenatal diagnosis of isolated coronary artery fistulas: progression and outcome in five cases. *Cardiol Young*. 2015 Sep 18:1-6.
2. Hunter LE, Chubb H, Miller O, Sharland G, Simpson JM. Fetal aortic valve stenosis: a critique of case selection criteria for fetal intervention. *Prenat Diagn*. 2015 Jul 29. doi: 10.1002/pd.4661.
3. Moon-Grady AJ, Morris SA, Belfort M, Chmait R, Dangel J, Devlieger R, Emery S, Frommelt M, Galindo A, Gelehrter S, Gembruch U, Grinenco S, Habli M, Herberg U, Jaeggi E, Kilby M, Kontopoulos E, Marantz P, Miller O, Otaño L, Pedra C, Pedra S, Pruetz J, Quintero R, Ryan G, Sharland G, Simpson J, Vlastos E, Tworetzky W, Wilkins-Haug L, Oepkes D. International Fetal Cardiac Intervention Registry: A Worldwide Collaborative Description and Preliminary Outcomes. *J Am Coll Cardiol*. 2015 Jul 28;66(4):388-99. doi: 10.1016/j.jacc.2015.05.037
4. Ho A, Gordon P, Rosenthal E, Simpson J, Miller O, Sharland G Isolated Complete Heart Block in the Fetus. *Am J Cardiol*. 2015 Apr 8. pii: S0002-9149(15)01057-7. doi: 10.1016/j.amjcard.2015.03.051.
5. Story L, Pasupathy D, Sankaran S, Sharland G, Kyle P. Influence of birthweight on perinatal outcome in fetuses with antenatal diagnosis of congenital heart disease. *J Obstet Gynaecol Res*. 2015 Jan 13. doi: 10.1111/jog.12652
6. Hunter LE, Sharland GK (2015) Maternal Gestational Diabetes and Fetal Congenital Heart Disease: An Observational Study. *J Preg Child Health* 2:132. doi: 10.4172/2376-127X.1000132
7. Story L, Pasupathy P, Sankaren S, Desai Pm Sharland G, Kyle P. use of customised birthweight centiles in fetuses with congenital heart disease, *Ultrasound in Obstetrics and Gynaecology* 2014, 09/2012:40(S1)
8. Vigneswaren TV, Callaghan N, Andrews RE, Miller O, Sharland GK, Simpson JM. Correlation of Maternal Flecainide Concentrations and Therapeutic Effect in Fetal Supraventricular Tachycardia Heart Rhythm, <http://dx.doi.org/10.1016/j.hrthm.2014.07.031>
9. Hunter L, Callaghan N, Patel K, Rinaldi L, Bellsham-Revell H, Sharland G. Prenatal echocardiographic diagnosis of double aortic arch. *Ultrasound Obstet Gynecol* 2014 may 10. doi:10.1002/uog.13408 (Epub ahead of print).
10. Miranda JO, Callaghan N, Miller O, Simpson J, Sharland G. Right aortic arch diagnosed antenatally: associations and outcome in 98 fetuses. *Heart*. 2014 Jan;100(1):54-9. doi: 10.1136/heartjnl-2013-304860. Epub 2013 Nov 5.
11. Jowett V, Sankaran S, Rollings S, Hall R, Kyle PM, Sharland G. Fetal congenital heart disease: Obstetric management and time to first cardiac intervention in cases delivered in a tertiary centre. *Cardiol Young* 2013;13:1-9
12. Sharland G. Fetal cardiac screening and variation in prenatal detection rates of congenital heart disease: why bother with screening at all? *Future Cardiol*. 2012;Mar;8(2):189-202.

13. Eliasson H, Sonesson SE, Sharland G, Granath F, Simpson JM, Carvalho JS, Jicinska H, Tomek V, Dangel J, Zielinsky P, Respondek-Liberska M, Freund MW, Mellander M, Bartrons J, Gardiner HM; Fetal Working Group of the European Association of Pediatric Cardiology. Isolated atrioventricular block in the fetus: a retrospective, multinational, multicenter study of 175 patients. *Circulation* 2011 Nov 1;124(18):1919-26. Epub 2011 Oct 10.
14. Sharland G, Fetal cardiac screening: why bother? *Arch Dis Child Fetal Neonatal Ed* 2010;1:F64-8.
15. Vogel M, Sharland GK, McElhinney DB, Zidere V, Simpson JM, Miller OL, Allan LD. Prevalence of increased nuchal translucency in fetuses with congenital cardiac disease and a normal Karyotype. *Cardiol Young* 2009;19:441-5
16. Andrews RE, Tibby SM, Sharland GK, Simpson JM. Prediction of outcome of tricuspid valve malformations diagnosed during fetal life. *Am J Cardiol.* 2008;101(7):1046-1050. Epub 2008
17. Skinner JR, Sharland G. Detection and management of life threatening arrhythmias in the perinatal period. *Early Human Development* 2008;84(3):161-172.
18. Pascal CJ, Huggon I, Sharland GK, Simpson JM. An echocardiographic study of diagnostic accuracy, prediction of surgical approach, and outcome for fetuses diagnosed with discordant ventriculo-arterial connections. *Cardiol Young.* 2007 Oct;17(5):528-34. Epub 2007 Jul 19. PMID: 17640398
19. Vesel S, Rollings S, Jones A, Callaghan N, Simpson J, Sharland G. Prenatally diagnosed pulmonary atresia with ventricular septal defect: echocardiography, genetics, associated anomalies and outcome. *Heart* 2006;92:1501-5
20. Andrews RE, Simpson JM, Sharland GK, Sullivan ID, Yates RW. Outcome after preterm delivery of infants antenatally diagnosed with congenital heart disease. *J Pediatr* 2006;148:213-6.
21. Bernasconi A, Azancot A, Simpson JM, Jones A, Sharland GK. Fetal dextrocardia: Diagnosis and Outcome in two tertiary centres. *Heart* 2005;91:1590-1594
22. Sharland G, Tingay R, Jones A, Simpson J. Atrioventricular and ventriculoarterial discordance (congenitally corrected transposition of the great arteries): echocardiographic features, associations, and outcome in 34 fetuses. *Heart* 2005;91:1453-8.
23. Southworth R, Blackburn SC, Davey KA, Sharland GK, Garlick PB. The low oxygen-carrying capacity of Krebs buffer causes a doubling in ventricular wall thickness in the isolated heart. *Can J Physiol Pharmacol* 2005;83(2):174-82.
24. Sivasankaran S, Sharland GK, Simpson JM. Dilated cardiomyopathy presenting during fetal life. *Cardiol Young* 2005;15:409-416
25. Head CEG, Jowett VC, Sharland GK, Simpson JM. Timing of presentation and postnatal outcome of infants suspected of having coarctation of the aorta during fetal life. *Heart* 2005;91:1070-1074.
26. Langford K, Sharland G, Simpson J. Relative risk of abnormal karyotype in fetuses found to have an atrioventricular septal defect (AVSD) on fetal echocardiography. *Prenat Diagn* 2005;25:137-139.
27. Makrydimas G, Sotiriadis A, Huggon IC, Simpson J, Sharland G, Carvalho JS, Daubeney PE, Ioannidis JP. Nuchal translucency and fetal cardiac defects: A pooled analysis of major fetal echocardiography centres. *Amer J Obstet Gynaecol* 2005;192:89-95.
28. Rosenthal E, Gordon PA, Simpson JM, Sharland GK. Letter regarding article by Jaeggi et al, "transplacental fetal treatment improves the outcome of prenatally diagnosed complete atrioventricular block without structural heart disease". *Circulation* 2005;10:111(18):e287-8.
29. Gordon P, Rosenthal E, Simpson JM, Sharland G, Brucato A, Franceschini F, De Bosschere K, Meheus L, Meroni PL, Hughes GR, Buyon J. Anti-52 kDa Ro, anti-60 kDa Ro, and anti-La antibody profiles in neonatal lupus. *J Rheumatol* 2004;31:2480-7
30. Sharland G, Routine fetal cardiac screening: what are we doing and what should we do. *Prenat Diagn* 2004;24:1123-1129.
31. Allan L, Dangel J, Fesslova V, Marek J, Mellander M, Oberhansli I, Oberhoffer R, Sharland G, Simpson J, Sonesson SE; Fetal Cardiology Working Group; Association for European Paediatric Cardiology Recommendations for the practice of fetal cardiology in Europe. *Cardiol Young* 2004;14:109-14.

32. Sau A, Sharland G, Simpson J. Agenesis of the ductus venosus associated with direct umbilical venous return into the heart – case series and review of the literature. *Prenat Diagn* 2004;24:418-423.
33. Krapp M, Kohl T, Simpson JM, Sharland GK, Katalinic A, Gembruch U. Review of diagnosis, treatment, and outcome of fetal atrial flutter compared with supraventricular tachycardia. *Heart* 2003;89:913-917
34. Pepas LP, Savis A, Jones A, Sharland GK, Tulloh RMR, Simpson JM. An echocardiographic study of tetralogy of Fallot in the fetus and infant. *Cardiol Young* 2003;13:240-247
35. Razavi RS, Sharland GK, Simpson JM. Prenatal diagnosis by echocardiogram and outcome of absent pulmonary valve syndrome. *Amer J Cardiol* 2003;91:429-432
36. Khan MD, Qureshi SA, Rosenthal E, Sharland GK. Transcatheter closure of coronary artery fistula with Amplatzer duct occluder in a neonate. *Catheterisation & Cardiovascular interventions* 2003;60:282-6
37. Gill HR, Splitt M, Sharland GK, Simpson JM. Patterns of recurrence of congenital heart disease: An analysis of 6640 consecutive pregnancies evaluated by detailed fetal echocardiography. *J Am Coll Cardiol* 2003;42:923-9.
38. Sandor GG, Cook AC, Sharland GK, Ho SY, Potts JE, Anderson RH. Coronary arterial abnormalities in pulmonary atresia with intact ventricular septum diagnosed during fetal life. *Cardiol Young*. 2002 Oct;12(5):436-44
39. Sharland G, Cardiac abnormalities associated with an abnormal four chamber view. *BMUS Bulletin* 2002;10:11-16
40. Sharland G, Echocardiographic features of common arterial trunk. *Progress in Pediatric Cardiology* 2002;15:33-40
41. Sandor GG, Cook AC, Sharland GK, Ho SY, Potts JE, Anderson RH. Coronary arterial abnormalities in pulmonary atresia with intact ventricular septum diagnosed during fetal life. *Cardiol Young* 2002;12:436-44.
42. Sharland G, *Fetal Cardiology*. *Semin Neonatol* 2001;6:3-15.
43. Sharland G, Rollings S, Simpson J, Anderson D. Hypoplastic left heart syndrome. *Lancet (letter)* 2001;357:722.
44. Andrews RE, Tulloh RMR, Sharland G, Simpson J, Baker EJ, Qureshi S, Rosenthal E, Austin C, Anderson D. The Norwood procedure for hypoplastic left heart syndrome (HLHS): Outcome following antenatal and postnatal diagnosis. *Arch Dis Child* 2001;83: 245-9
45. Duke C, Sharland GK, Jones AMR, Simpson JM. Echocardiographic features and outcome of truncus arteriosus diagnosed during fetal life. *Am J Cardiol* 2001;88:1379-1384.
46. Andrews R, Tulloh R, Sharland G, Simpson J, Rollings S, Baker E, Qureshi S, Rosenthal E, Austin C, Anderson D. Outcome of staged reconstructive surgery for hypoplastic left heart syndrome following antenatal diagnosis. *Arch Dis Child* 2001;85:474-477.
47. Allan LD, Sharland GK. The echocardiographic diagnosis of totally anomalous pulmonary venous connection in the fetus. *Heart* 2001;85:433-437.
48. Huggon IC, Cook AC, Simpson JM, Smeeton NC, Sharland GK. Isolated echogenic foci in the fetal heart as marker of chromosomal anomaly. *Ultrasound Obstet Gynecol* 2001;17:11-16
49. Simpson JM, Sharland GK. Nuchal translucency and congenital heart defects: heart failure or not? *Ultrasound Obstet Gynecol* 2000;16:30-36
50. Simpson JM, Jones A, Callaghan N, Sharland GK. Accuracy and limitations of transabdominal fetal echocardiography at 12-15 weeks of gestation in a population at high risk for congenital heart disease. *Br J Obstet Gynecol* 2000;107:1492-1497.
51. Huggon IC, Cook AC, Smeeton NC, Magee AG, Sharland GK. Atrioventricular septal defects diagnosed in fetal life; associated cardiac and extracardiac abnormalities and outcome. *J Am Coll Cardiol* 2000;36:593-601.
52. Kohl T, Sharland G, Allan LD, Gembruch U, Chaoui R, Lopes LM, Zielinsky P, Huhta J, Silverman NH. World experience of percutaneous ultrasound guided balloon valvuloplasty in human fetuses with severe aortic valve obstruction. *Am J Cardiol* 2000;85:1230-1233.

53. Sharland G, What should be provided by a service for fetal cardiology? *Cardiol Young* 2000;10:625-35.
54. Sharland G, Qureshi SA. Significance of fetal cardiac abnormalities. *Gynaecology Forum* 2000;5:7-11.
55. Smeeton NC, Rona RJ, Sharland G, Botting BJ, Barnett A, Dundas R. Estimating the prevalence of malformation of the heart in the first year of life using capture-recapture methods. *Amer J Epidemiol* 1999;150(7):778-785.
56. Hyett J, Perdu M, Sharland G, Snijders R, Nicolaides K. Using fetal nuchal translucency to screen for major congenital cardiac defects at 10-14 weeks of gestation: population based cohort study. *Br Med J* 1999;318:81-85.
57. Sharland GK. Introduction to hypoplastic left heart syndrome. *Synergy* February 1999:6-7
58. Sharland GK. Hypoplastic left heart syndrome. *RAD* 1999;6:43-44.
59. Simpson J, Sharland GK. Fetal tachyarrhythmias: management and outcome of 127 cases. *Heart* 1998;79:576-581
60. Hyett JA, Perdu M, Sharland GK, Snijders RSM, Nicolaides KH. Increased nuchal translucency at 10-14 weeks of gestation as a marker for major cardiac defects. *Ultrasound Obstet. Gynecol* 1997;10:242-246.
61. Daubeney PEF, Sharland GK, Cook A, Keeton BR, Anderson RH. Pulmonary atresia with intact ventricular septum: impact of fetal echocardiography on incidence at birth and postnatal outcome. *Circulation* 1998;98:562-566.
62. Rona RJ, Smeeton NC, Barnett A, Beech R, Sharland G. Anxiety and depression in mothers related to severe malformation of the heart of the child and fetus. *Acta Paediatr* 1998;87:201-205.
63. Sharland G. First trimester transabdominal fetal echocardiography. *Lancet (letter)* 1998;351:1162
64. Simpson JM, Milburn A, Yates RW, Maxwell DJ, Sharland GK. Outcome of intermittent tachyarrhythmias in the fetus. *Paed Cardiol* 1997;18:78-82.
65. Raymond FL, Simpson JM, Sharland GK, Mackie Oglivie CM. Fetal echocardiography as a predictor of chromosomal abnormality. *Lancet* 1997;350:930..
66. Raymond FL, Simpson J, Mackie CM, Sharland GK. Prenatal diagnosis of 22q11 deletion: a series of 5 cases with congenital heart defects. *J Med Gen* 1997
67. Simpson JM, Sharland GK. The natural history and outcome of aortic stenosis diagnosed prenatally. *Heart* 1997;77:205-210
68. Sharland GK. The changing impact of the fetal diagnosis of congenital heart disease. *Arch Dis Child* 1997;77:F1-F3
69. Simpson JM, Sharland GK, Anderson D, Murdoch I, Tynan M. Hypoplastic left heart syndrome: Willingness to initiate treatment is crucial. *Brit Med J* 1997;314:1414
70. Yates RWM, Raymond FL, Cook A, Sharland GK. Isomerism of the atrial appendages associated with 22q11 deletion in the fetus. *Heart* 1996;76:548-549
71. Cook AC, Fagg NLK, Sharland GK. Large blood cyst causing left ventricular obstruction in a fetus. *Cardiol in the Young* 1996;6:171-173
72. Meyers-Wittkopf M, Cook A, Summers P, McLennan A, Sharland GK, Maxwell D. Evaluation of three-dimensional ultrasonography in assessment of abnormal fetal heart anatomy. *Ultrasound Obstet. Gynecol* 1996;8:303-308.
73. Simpson JM, Cook AC, Rowlands ML, Lockhart SM, Sharland GK. The significance of echogenic foci in the fetal heart: a prospective study of 228 cases. *Ultrasound Obstet. Gynecol* 1996;8:225-228.
74. Meyers-Wittkopf M, Simpson JM, Sharland GK. Incidence of congenital heart disease in fetuses of diabetic mothers - a retrospective study of 326 cases. *Ultrasound Obstet. Gynecol* 1996;8:8-10.
75. Simpson JM, Cook A, Fagg NLK, Sharland GK. Congenital heart disease in spondylothoracic dysostosis: two familial cases. *J Med Gen* 1995;32:633-635
76. Sharland GK, Tynan M, Qureshi SA. Prenatal detection and progression of right coronary artery to right ventricle fistula. *Heart* 1996;76:79-81
77. Simpson JM, Yates RW, Sharland GK. Irregular heart rate in the fetus: not always benign. *Cardiol in the Young* 1996;6:28-31

78. Yates RWM, Sharland GK, Qureshi SA. The evolution of a hypoplastic left ventricle in an infant with an atrioventricular septal defect detected antenatally. *Cardiol in the Young* 1995;5:360-362
79. St John Sutton M, Groves A, MacNeill A, Sharland G, Allan L. Assessment of lung and foramen ovale blood flows in the normal human fetus with gestational age; a prospective Doppler echocardiographic study. *Br Heart J* 1994;71:232-237.
80. Sharland GK, Qureshi SA. Closure of the ventricular component of an atrioventricular septal defect during fetal life. *Cardiol in the Young* 1995;5:272-274
81. Allan LD, Sharland GK, Milburn A, Lockhart SM, Groves AMM, Anderson RH, Cook AC, Fagg NLK. The prospective diagnosis of 1006 consecutive cases of congenital heart disease in the fetus. *JACC* 1994;23:1452-8.
82. Oberhoffer R, Cook AC, Lang D, Sharland G, Allan LD, Fagg NLK, Anderson RH. Correlation between echocardiographic and morphologic investigations of lesions of the tricuspid valve diagnosed during fetal life. *Br Heart J* 1992;68:580-5.
83. Johnson P, Sharland G, Maxwell D, Allan L. The role of transvaginal sonography in the early detection of congenital heart disease. *Ultrasound Obstet. Gynecol.* 1992;2:248-51.
84. Cullen S, Sharland G, Allan LD, Sullivan ID. Potential impact of population screening for prenatal diagnosis of congenital heart disease. *Arch Dis Child* 1992;67:775-8.
85. Johnson P, Sharland G, Allan L, Tynan M, Maxwell D. Umbilical venous pressure in nonimmune hydrops fetalis: correlation with cardiac size. *Am J Obstet Gynecol* 1992;167:1309-13.
86. Skoll MA, Sharland GK, Allan LD. Is the ultrasound definition of fluid collections in non-immune hydrops fetalis helpful in defining the underlying cause or predicting outcome? *Ultrasound Obstet. Gynecol.* 1991;1:309-312.
87. Cook AC, Allan LD, Anderson RH, Sharland GK, Fagg NLK. Atrioventricular septal defect in fetal life - a clinicopathological correlation. *Cardiol Young* 1991;1:334-343.
88. Allan LD, Cook AC, Sullivan I, Sharland GK. Changing birth prevalence of the hypoplastic left heart syndrome as a result of fetal echocardiography. *Lancet* 1991;337:959-61.
89. Lang D, Oberhoffer R, Cook A, Sharland G, Allan L, Fagg N, Anderson RH. Pathological spectrum of malformations of the tricuspid valve in prenatal and neonatal life. *J Am Coll Cardiol* 1991;17:1161-7.
90. Allan LD, Sharland GK. Prognosis in fetal tetralogy of Fallot. *Pediatr Cardiol* 1992;13:1-4
91. Allan LD, Sharland GK, Lockhart SM, Chita SK, Maxwell DM. Chromosomal anomalies and congenital heart disease in the fetus. *Ultrasound Obstet. Gynecol.* 1991;1:8-11.
92. Allan LD, Chita SK, Sharland GK, Maxwell DM, Priestley K. The use of flecainide in fetal tachycardias. *Br Heart J* 1991;65:46-48.
93. Sharland GK. Diagnosis of fetal cardiac abnormalities. *BMUS Bulletin* November 1991:35-38.
94. Etedgui J, Sharland GK, Chita SK, Cook A, Fagg NL, Allan LD. Absent pulmonary valve syndrome and ventricular septal defect: role of the arterial duct. *Am J Cardiol* 1990;66:233-4.
95. Allan LD, Chita SK, Sharland GK, Fagg NL, Anderson RH, Crawford DC. The accuracy of fetal echocardiography in the diagnosis of congenital heart disease. *Int. J. Cardiol.* 1989; 25: 279-288.
96. Sharland GK, Lockhart SM. Isolated pericardial effusion: an indication for fetal karyotyping. *Ultrasound Obstet. Gynecol.* 1995;6:29-32
97. Sharland GK, Chan KY, Allan LD. Coarctation of the aorta: difficulties in prenatal diagnosis. *Br Heart J* 1994;71:70-75.
98. Sharland GK, Qureshi SA, Ladusans EJ, Parsons JM, Anjos R, Baker EJ, Deverall PB, Tynan M. Efficacy and safety of balloon dilation as palliative treatment in the tetralogy of Fallot. *Cardiol Young* 1994;4:255-261.
99. Sharland GK, Allan LD. Reference ranges for cardiac structures in normal fetuses measured by cross-sectional echocardiography. *Ultrasound Obstet. Gynecol* 1992;2:175-81
100. Sharland GK, Allan LD. Screening for congenital heart disease prenatally: results of a 3 year study in the SouthEast Thames Region. *Br J Obstet Gynaecol* 1992;99:220-225.
101. Sharland GK, Lockhart SM, Heward A, Allan LD. Prognosis in fetal diaphragmatic hernia. *Am J Obstet Gynecol* 1992;166:9-13.

102. Sharland GK, Chita SK, Fagg NLK, Anderson RH, Tynan M, Cook AC, Allan LD. Leftventricular dysfunction in the fetus: relationship to aortic valve anomalies and endocardial fibroelastosis Br Heart J 1991;66:419-24
103. Sharland GK, Chita SK, Allan LD. Tricuspid valve dysplasia or displacement in intrauterine life. J Am Coll Cardiol 1991;17:944-9.
104. Sharland GK, Lockhart SM, Chita SK, Allan LD. Factors influencing the outcome of congenital heart disease detected prenatally. Arch Dis Child 1991;66:284-7.
105. Sharland GK, Chita SK, Allan LD. The use of colour Doppler in fetal echocardiography. Int J cardiol 1990; 28:229-236.
106. Allan LD, Sharland GK, Tynan MJ. The natural history of the hypoplastic left heart syndrome. Int. J. Cardiol. 1989; 25: 341-3.
107. Sharland GK, Allan LD. Antenatal diagnosis of cardiac abnormalities. Radiology Now 1989; 6:35-37.