

LITERATUR

1. Abuhamad AZ, Shaffer W, Mari G, Copel JA, Hobbins JC, Evans AT. Single umbilical artery: Does it matter which artery is missing? *Am J Obstet Gynecol* 1995 Sep;173(3Pt1):728-32
2. Adler J, Lewenthal H, Ben-Aderet N. Absence of the umbilical artery and its relationship to congenital malformations. *Harefuah* 1963;65:288
3. Aoki S, Hata T, Ariyuki Y, Makihara K, Hata K, Kitao M. Antenatal diagnosis of aberrant umbilical vessels. *Gynecol Obstet Invest* 1997;43(4):232-5
4. Asmussen I, Kjeldsen K. Intimal ultrastructure of human umbilical artery. Observations on arteries from newborn children of smoking and nonsmoking mothers. *Circ Res* 1975;36:579-89
5. Baumann P. Singuläre Nabelarterie. In: *Gynäkologie und Geburtshilfe*. Springer Verlag Berlin Heidelberg NY 2000, 424-5
6. Benirschke K. Contribution of the pathology in the newborn. *Pediatr Clin North America* 1961;8:463
7. Benirschke K. Major pathologic features of the placenta, cord and membranes. *Birth defects* 1965;1:52
8. Benirschke K, Brown WH. A Vascular Anomaly of the Umbilical Cord. The absence of one umbilical artery in the umbilical cords of normal and abnormal fetuses. *Obstetrics and Gynecology* 1955Oct;6(4):399-404
9. Benirschke K, Bourne GL. The incidence and perinatal implication of congenital absence of one umbilical artery. *Am J Obstet Gynecol* 1960; 79:251-4
10. Benirschke K, Driscoll SG. *The Pathology of the Human Placenta*. Springer-Verlag Berlin, Heidelberg, New York 1974
11. Benirschke K. The final answers to single umbilical artery? *Pediatrics* 1973 Jul;52(1):116-7
12. Benoit R, Copel J, Williams K. Is routine follow-up ultrasound to assess fetal growth warranted with the isolated finding of a single umbilical artery on initial comprehensive fetal survey? *Ultrasound Med Biol*. 2003 May; 29(5 Suppl): 216
13. Blackburn W, Cooley W: Vascular anomalies of the umbilical cord. In: Stevenson, Hall, Goodman (eds): *Human Malformations and Related Anomalies*, NY Oxford University Press 1993, Vol II, 1126-1141
14. Blazer S, Sujov P, Escholi Z, Itai BH, Bronshtein M. Single umbilical artery-right or left? does it matter? *Prenat Diagn* 1997Jan;17(1):5-8. Comment in: *Prenat Diagn* 1998Mar;18(3):303
15. Boehm W, Zenk C. Zur Bedeutung der Nabelschnurgefäßanomalien im Rahmen der perinatalen Mortalität. *Zentralbl Gynaekol* 1976;98:475

16. Bourke WG, Clarke TA, Mathews TG, O'Halpin D, Donoghue VB. Isolated single umbilical artery- the case for routine renal screening. *Arch Dis Child* 1993 May;68(5Spec No):600-1
17. Bourne G, Benirschke K. Absent umbilical artery. A review of 113 cases. *Arch Dis Childhood* 1960;35:534
18. Bronshtein M, Zimmer EZ. Are measurements of the umbilical vessels a reliable method in diagnosing a single umbilical artery? *Ultrasound Obstet Gynecol* 1996 Jul;8(1):5-7
19. Bryan EM, Kohler HG. The missing umbilical artery II. Paediatric follow-up. *Arch Dis Child* 1975 Sep;50(9):714-8
20. Bryan EM, Kohler HG. The missing umbilical artery. I. Prospective study based on a maternity unit. *Arch Dis Child* 1974;49:844
21. Budorick NE, Kelly TF, Dunn JA, Scioscia AL. The single umbilical artery in a high-risk patient population – what should be offered? *J Ultrasound Med*. 2001 Jun;20(6):619-27:quiz 628
22. Byrne J, Blanc WA. Malformations and chromosome anomalies in spontaneously aborted fetuses with single umbilical artery. *Am J Obstet Gynecol*. 1985 Feb 1;151(3):340-2
23. Catanzarite VA, Hendricks SK, Maida C, Westbrook C, Cousins L, Schrimmer D. Prenatal diagnosis of the two-vessel cord: implications for patient counselling and obstetric management. *Ultrasound Obstet Gynecol*. 1995 Feb;5(2):75-6
24. Chantler C, Baum JD, Wigglesworth JS. Giant umbilical cord associated with a patent urachus and fused umbilical arteries. *J Obstet Gynecol Br Commonw* 1969;76:273
25. Chaurasia, BD. Aplasia of the trachea in a malformed human foetus with single umbilical artery. *Anat Anz*. 1976;139(5):480-5
26. Csecsei K, Kovacs T, Hinchliffe SA, Papp Z. *Am J Med Genet*. 1992 Jun 1;43(3):524-30
27. Chow JS, Benson CB, Doubilet PM. Frequency and nature of structural anomalies in fetuses with single umbilical arteries. *J Ultrasound Med*. 1998 Dec;17(12):765-8
28. Clausen I. Umbilical cord anomalies and antenatal fetal deaths. *Obstet Gynecol Surv* 1989 Dec; 44(12):841-5
29. Cseksi K, Kovacs T, Hinchliffe SA, Papp Z. Incidence and associations of single umbilical artery in prenatally diagnosed malformed, midtrimester fetuses: a review of 62 cases. *Am J Med Genet* 1992;43:524-30
30. DeCatte L, Burrini D, Mares C, Waterschoot T. Single umbilical artery: analysis of Doppler flow indices and arterial diameters in normal and small-for-gestational age fetuses. *Ultrasound Obstet Gynecol* 1996 Jul;8(1):5-7

31. Deka D, Buckshee K. Single umbilical artery: prenatal diagnosis. *Indian J Pediatr.* 1992 Jan-Feb;59(1):137-8
32. Dudiak CM, Salomon CG, Posniak HV, Olson MC, Flisak ME. Sonography of the umbilical cord. *Radiographics.* 1995 Sep;15(5):1035-50
33. Duerbeck NB, Pietrantonio M, Reed KL, Anderson CF, Shenker L. Doppler flow velocities in single umbilical arteries. *Am J Obstet Gynecol* 1991;165:1120-2
34. Emmanouilides GC, Townsend DE, Bauer RA. Effects of single umbilical artery ligation in the lamb fetus. *Pediatrics* 1968;42:919-27
35. Faierman E. The significance of one umbilical artery. *Arch Dis Child.* 1960;35:285
36. Farrell T, Leslie J, Owen P. Accuracy and significance of prenatal diagnosis of single umbilical artery. *Ultrasound Obstet Gynecol* 2000;16:667-8
37. Feingold M, Fine RN, Ingall D. Intravenous Pyelography in infants with single umbilical artery. *N Engl J Med* 1964;270:1178-80
38. Forouzan I. Absence of end-diastolic flow velocity in the umbilical artery – a review. *Obstet Gynecol Surv.* 1995 Mar;50(3):219-27
39. Fritz K, Wolansky D. Discordant growth of multiple fetuses in combination of HELLP syndrome and single umbilical artery in a triplet fetus. *Z Geburtshilfe Neonatol.* 1998 Nov-Dec;202(6):251-4
40. Fox H (ed.). *Pathology of the placenta.* Saunders, London 1978
41. Froelich LA, Fujikura T. Significance of single umbilical artery. *Amer J Obstet Gynec* 1966;94:274
42. Froelich LA, Fujikura T. Follow-up of infants with single umbilical artery. *Pediatrics* 1973;52:22
43. Frusca T, Soregaroli M, Fichera A, Taddei F, Villani P, Accorsi P, Martelli P. Pregnancies complicated by Twin-Twin transfusion syndrome: outcome and long-term neurological follow-up. *Eur J Obstet Gynecol Reprod Biol.* 2003 Apr;25:107(2):145-50
44. Fujikura T. Single umbilical artery and congenital malformations. *Amer J Obstet Gynec* 1964;88:829
45. Fukada Y, Yasumizu T, Hoshi K. Single umbilical artery: correlation of the prognosis and side of the missing artery. *Int J Gynaecol Obstet.* 1998 Apr;61(1):67-8
46. Gamzu R, Zalel Y, Jacobson JM, Screiber L, Achiron R. Type II single umbilical artery (persistent vitelline artery) in an otherwise normal fetus. *Prenat Diagn.* 2002 Nov;22(11):1040-3
47. Geipel A, Germer U, Welp T, Schwinger E, Gembruch U. Prenatal diagnosis of single umbilical artery: determination of the absent side, associated anomalies, Doppler findings and perinatal outcome. *Ultrasound Obstet Gynecol.* 200 Feb;15(2):114-7

48. Giacomello F, Rinaldi L, Noccioli G, Baschieri L. Doppler flowmetry in a case of single umbilical artery. *Minerva Ginecol.* 1991 Jun;43(6):307-10
49. Giraud JR, Allal A, Payard J et al. Artere umbilicale unique et pathologie perinatale. *Gynecol Obstet* 1971;70:433
50. Gnirs J, Hendrik J, Heberling D, Schmidt W. Vascular abnormalities of the umbilical cord – incidence, significance and possibility for prenatal ultrasonic detection. *Geburtshilfe Frauenheilkd.* 1988 May;48(5):355-60
51. Goldkrand JW, Lentz SU, Turner AD, Clements S, Seftor H, Bryant J. Doppler velocimetry in the fetus with a single umbilical artery. *J Reprod Med.* 1999 Apr;44(4):346-50
52. Gonen R, Dar H, Degani S. The karyotype of fetuses with anomalies detected by second trimester ultrasonography. *Eur J Obstet Gynecol Reprod Biol* 1995;58:153-5
53. Gornall AS, Kurinczuk JJ, Konje JC. Antenatal detection of a single umbilical artery: does it matter? *Prenat. Diagn.* 2003 Feb;23(2):117-23
54. Gorschmann. Mündliche Auskunft am 23.02.04
55. Gossett DR, Lantz ME, Chisholm CA. Antenatal diagnosis of single umbilical artery: is fetal echocardiography warranted? *Obstet Gynecol* 2002 Nov;100(5Pt1):903-8
56. Hadar A, Hallak M. Single umbilical artery and umbilical cord torsion leading to fetal death. A case report. *J Reprod Med* 2003 Sep;48(9):739-40
57. Hamada H, Fujiki Y, Obata-Yasuoka M, Watanabe H, Yamada N, Kubo T. Prenatal sonographic diagnosis of Beckwith-Wiedemann syndrome in association with a single umbilical artery. *J Clin Ultrasound.* 2001 Nov-Dec;29(9):535-8
58. Hata T, Hata K, Kitao M, Tanaka O. A case of single umbilical artery with various fetal anomalies: correlations between prenatal ultrasonographic diagnosis and autopsy. *Int J Gynaecol Obstet* 1986 Feb;24(1):75-80
59. Heifetz SA. Single umbilical artery: a statistical analysis of 237 autopsy cases and review of the literature. *Perspect Pediatr Pathol* 1984; 4:345-78
60. Herrmann UJ Jr, Sidiropoulos D. Single umbilical artery: prenatal findings. *Prenat Diagn* 1988 May;8(4):275-80
61. Hill LM, Kislak S, Runco C. An ultrasonic view of the umbilical cord. *Obstet Gynecol Surv* 1987;42:82
62. Hill LM, Wibner D, Gonzales P, Chenevey P. Validity of transabdominal sonography in the detection of a two-vessel umbilical cord. *Obstet Gynecol.* 2001 Nov;98 (5 Pt 1):837-42

- 63.Hitschold T, Muntefering H. Single umbilical artery. Effect on fetal growth and doppler flow velocity wave form. *Ultraschall Med.* 2001 Feb:22(1):17-22
- 64.Hyrtl J. Die Blutgefäße der menschlichen Nachgeburt in normalen und abnormalen Verhältnissen. Vienna, Braumüller 1870.
- 65.Iaccarino M, Ambrosio A, Bellucci Sessa E, Fortunato A. Single umbilical artery: a Doppler flow velocity study of four cases. *Ultrasound Obstet Gynecol* 1993 Jul 1:3(4):246-8
- 66.Jauniaux E. The single artery umbilical cord: is it worth screening for antenatally? *Ultrasound Obstet Gynecol.* 1995 Feb:5(2):75-6
- 67.Jauniaux E, Demunter C, Pardou A, Elkhazen N, Rodesch F, Wilkin P. Ultrasonic study of the single umbilical artery syndrome. A series of 80 cases. *J Gynecol Obstet Biol Reprod (Paris).* 1989:18(3):341-7
- 68.Jassani MN, Brennan JN, Merkatz IR. Prenatal diagnosis of single umbilical artery by ultrasound. *J Clin Ultrasound* 1980:8:447
- 69.Jeanty P. Fetal and funicular vascular anomalies: identification with prenatal US. *Radiology* 1989 Nov:173(2):367-70
- 70.Johnson CW, Tennenbaum SY. Urologic anomalies and two-vessel umbilical cords: what are the implications? *Curr Urol Rep.* 2003 Apr:4(2):146-50
- 71.Johnsonbaugh RE. Unilateral short lower extremity and single umbilical artery: Absence of a relationship. *Am J Dis Child* 1973:126:186
- 72.Johnstone FD, Prescott R, Hoskins P, Greer IA, McGlew T, Compton M. The effect of introduction of umbilical Doppler recordings to obstetric practice. *Br J Obstet Gynaecol.* 1993 Aug:100(8):733-40
- 73.Jones KL. Pattern of malformation differential diagnosis by anomaly. In: Smith's Recognizable Patterns of Human Malformation. Philadelphia WB Saunders 1988, 4th edn., p.755
- 74.Jones TB, Yoram S, Rupinder B, Zador IE, Bottoms SF. Single umbilical artery: Accurate Diagnosis? *Am J Obstet Gynecol* 1993 Sep:169(3):538-40
- 75.Kashiwagi M, Chaoui R, Stallmach T, Hurlimann S, Lauper U, Hebisch G. Fetal bilateral renal agenesis, phocomelia, and single umbilical artery associated with cocaine abuse in early pregnancy. *Birth defects Res Part A Clin Mol Teratol* 2003 Nov:67(11):951-2
- 76.Kasznica J, Carlson JA, Coppedge D. Ectrodactyly, retrognathia, abnormal ears, high arched palate, spina bifida, congenital heart defect, single umbilical artery. *Am J Med Genet* 1991:40:414-16
- 77.Kelber R. Gespaltene solitäre Nabelschnurarterie. *Arch Gynaekol* 1976:220:319

78. Khong TY, George K. Chromosomal abnormalities associated with a single umbilical artery. *Prenat Diagn* 1992;12:965-8
79. Konstantinova B. Malformations of the umbilical cord. *Acta Genet Med Gemellol (Roma)* 1977;26:259
80. Kravitz H. Improved visualization of the umbilical vessels. *Am J Dis Child* 1967;113:363
81. Kristoffersen K. The significance of absence of one umbilical artery. *Acta Obstet Gynecol Scand* 1969;48:195
82. Lee CN, Cheng WF, Lai HL, Cheng SP, Shih JC, Shyu MK, Kau ML, Hsieh FJ. Perinatal Management and Outcome of Fetuses with Single Umbilical Artery Diagnoses Prenatally. *JOURNAL OF MATERNAL-FETAL INVESTIGATION*. 1998 Dec;8(4):156-9
83. Lenoski EF, Medovy H. Single umbilical artery. Incidence, clinical significance and relation to autosomal trisomy. *Canad MAJ* 1962;87:1229-32
84. Leung AKC, Robson WLM. Single umbilical artery: A case report of 159 cases. *Am J Dis Child* 1989;143:108
85. Lewis AJ. Autosomal trisomy. *Lancet* 1962;1:866
86. Lilja M. Infants with single umbilical artery studied in a national registry. General epidemiological characteristics. *Paediatr Perinat Epidemiol* 1991 Jan;5(1):27-36
87. Lilja GM. Single umbilical artery and maternal smoking. *BMJ* 1991 Mar 9;302(6776):569-70
88. Lilja M. Infants with single umbilical artery studied in a national registry. 2: Survival and malformations in infants with single umbilical artery. *Paediatr Perinat Epidemiol* 1992 Oct;6(4):416-22
89. Lilja M. Infants with single umbilical artery studied in a national registry. 3: A case control study of risk factors. *Paediatr Perinat Epidemiol* 1994 Jul;8(3):325-33
90. Little WA. Aplasia of the umbilical artery. *Bull Sloane Hosp Women NY* 1958;4:127
91. Lyon FA. Fetal abnormalities associated with umbilical cords containing one umbilical artery and one umbilical vein. *Obstet and Gynec* 1960;16:719
92. Mastroiacovo P et al. Congenital Malformations in Twins: An International Study. *American Journal of Medical Genetics* 1999;83:117-24
93. Meir K, Yagel S, Amsalem H, Ariel I. Single umbilical artery stenosis associated with intrauterine fetal death post-transfusionem. *Prenat Diagn* 2002 Mar;22(3):186-8
94. Meizner I, Sherizly I, Mashiach R, Shalev J, Kedron D, Ben-Rafael Z. Prenatal sonographic diagnosis of laryngeal atresia in association with single umbilical artery. *J Clin Ultrasound*. 2000 Oct;28(8):435-8

95. Merei JM. Single umbilical artery and the VATER-animal model. *J Pediatr Surg* 2003 Dec;38(12):1756-9
96. Mikulandra F. Incidence of aplasia of the umbilical artery in fetuses with intrauterine retardation. *Jugosl Ginekol Opstet.* 1976 Jul-Aug;16(4):295-300
97. Molz G. Aplasia einer Nabelarterie und angeborene Fehlbildungen. *Helv Pediatr Acta* 1965;20:403
98. Monie IW. Genesis of the single umbilical artery. *Am J Obstet Gynecol* 1970;108:400
99. Moore KL, Persaud TVN. The placenta and fetal membranes. In: *The developing human*. WB Saunders, Philadelphia 1993, 123
100. Morin FR, Winsberg F. The ultrasonic appearance of the umbilical cord. *J Clin Ultrasound* 1978;6:324
101. Neilson JP, Alfirevic Z. Doppler ultrasound for fetal assessment in high risk pregnancies. *Cochrane Database Syst Rev.* 2000(2):CD000073
102. Nishio J, Nakai Y, Mine M, Imanaka M, Ogita S. Characteristics of blood flow in intrauterine growth-restricted fetuses with hypercoiled cord. *Ultrasound Obstet Gynecol.* 1999 Mar;13(3):171-5
103. Nyberg DA, Finberg HJ. The placenta, membranes and umbilical cord. In: *Diagnostic Ultrasound of Fetal Anomalies: Text and Atlas*. Chicago Year Book Medical publishers 1990. 653-8
104. Nyberg DA, Mahony BS, Luthy D, Kapur R. Single umbilical artery. Prenatal detection of concurrent anomalies. *J Ultrasound Med.* 1991 May;10(5):247-53
105. Nyberg DA, Shepard T, Mack LA, Hirsch J, Luthy D, Fritzsimmmons J. Significance of a single umbilical artery in fetuses with central nervous system malformations. *J Ultrasound Med* 1988 May;7(5):265-73
106. Papadatos C, Paschos A. Single Umbilical Artery and Congenital Malformations. *Obstetrics and Gynecology* 1965 Sep;26(3):367-70
107. Parilla BV, Tamura RK, MacGregor SN, Geibel LJ, Sabbagha RE. The Clinical Significance of a Single Umbilical Artery as an Isolated Finding on Prenatal Ultrasound. *Obstet Gynecol* 1995 Apr;85(4):570-2
108. Pavlopoulos PM, Konstantinidou AE, Agapitos E, Christodoulou CN, Davaris P. Association of single umbilical artery with congenital malformations of vascular etiology. *Pediatr Dev Pathol.* 1998 Nov-Dec;1(6):487-93
109. Peckham CH, Yerushalmy J. Aplasia of one umbilical artery: incidence by race and certain obstetric factors. *Obstet and Gynec* 1965;26:359
110. Persutte WH, Hobbins J. Single umbilical artery: a clinical enigma in modern prenatal diagnosis. *Ultrasound Obstet Gynecol* 1995 Sep;6(3):216-29

- 111.Persutte WH, Lenke RR. J Ultrasound Med. 1994 Oct:13(10):763-6
- 112.Petrikovsky B, Schneider E. Prenatal diagnosis and clinical significance of hypoplastic umbilical artery. Prenat Diagn. 1996 Oct:16(10):938-40
- 113.Pierce BT, Dance VD, Wagner RK, Apdaca CC, Nielsen PE, Calhoun BC. Perinatal outcome following fetal single umbilical artery diagnosis. J Matern Fetal Med. 2001 Feb:10(1):59-63
- 114.Prucka S, Clemens M, Craven C, McPherson E. Single umbilical artery: What does it mean for the fetus? A case-control analysis of pathologically ascertained cases. Genetics in Medicine 2004 Jan/Feb:6(1):54-7
- 115.Raio L, Ghezzi F, DiNaro E, Franchi M, Brühwiler H, Lüscher KP. Prenatal assessment of Wharton´s jelly in umbilical cords with single artery. Ultrasound Obstet Gynecol 1999:14:42-6
- 116.Raio L, Mueller M, Schumacher A, Ghezzi F, Di Naro E, Bruhwiler H. Vascular diameter and resistance indices in normal fetuses with a single umbilical artery. Ultraschall Med. 1998 Aug:19(4):187-91
- 117.Raio L, Saile G, Bruhwiler H. Discordant umbilical cord arteries: prenatal diagnosis and significance. Ultraschall Med. 1997 Oct:18(5):229-32
- 118.Rembouskos G, Cicero S, Longo D, Sacchini C, Nicolaidis KH. Single umbilical artery at 11-14 weeks´ gestation: relation to chromosomal defects. Ultrasound Obstet Gynecol 2003:22:567-70
- 119.Rinehart BK, Terrone DA, Taylor CW, Isler CM, Larmon JE, Robert WE. Single umbilical artery is associated with an increased incidence of structural and chromosomal anomalies and growth restriction. Am J Perinatol. 2000:17(5):229-32
- 120.Romero R, Pilu G, Jeanty P, Ghidini A, Hobbins JC (eds.): Prenatal diagnosis of congenital anomalies. Appleton&Lange, Norwalk 1988
- 121.Saller DN, Keene CL, Sun CCJ, Schwartz S. The association of single umbilical artery with cytogenetically abnormal pregnancies. Am J Obstet Gynecol 1990 Sep:163(3):922-5
- 122.Satow Y. The relation between single umbilical artery and associated anomalies. Teratology 1977:16:86
- 123.Seki M, Strauss L. Absence of one umbilical artery. Analysis of 60 cases with emphasis on associated developmental aberrations. Arch Pathol 1964:78:446
- 124.Sener T, Ozalp S, Hassa H, Zeytinoglu S, Basaran N, Durak B. Ultrasonographic detection of single umbilical artery: a simple marker of fetal anomaly. Int J Gynaecol Obstet: 1997 Aug:8(2):217-21
- 125.Sepulveda W. Umbilical artery diameter or umbilical vein/artery ratio: prenatal detection of single umbilical artery? J Ultrasound Med. 1995 Apr:14(4):262, 288-9

126. Sepulveda W, Corral E, Kottmann C, Illanes S, Vasquez P, Monckeberg MJ. Ultrasound Obstet Gynecol. 2003 Mar;21(3):292-6
127. Sepulveda W, Dezerega V, Carstens E, Gutierrez J. Fused umbilical arteries: prenatal sonographic diagnosis and clinical significance. J Ultrasound Med. 2001 Jan;20(1):59-62
128. Sepulveda W, Peek MJ, Hassan J, Hollingsworth J. Umbilical vein to artery. Ultrasound Obstet Gynecol. 1996 Jul;8(1):23-6
129. Sepulveda WH. Antenatal sonographic detection of single umbilical artery. J Perinat Med 1991;19(5):391-5
130. Sherer DM, Anyaegbunam A. Prenatal ultrasonographic morphologic assessment of the umbilical cord: a review. Part I. Obstet Gynecol Surv. 1997 Aug;52(8):506-14
131. Sherer DM, Anyaegbunam A. Prenatal ultrasonographic morphologic assessment of the umbilical cord: a review. Part II. Obstet Gynecol Surv. 1997 Aug;52(8):515-23
132. Shipp TD, Bromley B, Benacerraf BR. Sonographically detected abnormalities of the umbilical cord. Int J Gynecol Obstet. 1995 Feb;48(2):179-85
133. Soma H. Single umbilical artery with congenital malformations. Curr Top Pathol 1979;66:159
134. Stoll C, Dott B, Alembik Y, Roth MP. Evaluation of routine prenatal diagnosis by a registry of congenital anomalies. Prenat Diagn. 1995 Sep;15(9):791-800
135. Stoll C, Wiesel A, Queisser-Luft A et al. Evaluation of the prenatal diagnosis of limb reduction deficiencies. Prenatal Diagnosis 2000;20:811-8
136. Thummala MR, Raju TN, Langenberg P. Isolated single umbilical artery anomaly and the risk for congenital malformations: a meta-analysis. J Pediatr Surg. 1998 Apr;33(4):580-5
137. Tortora M, Chervenak FA, Mayden K, Hobbins JC. Antenatal sonographic diagnosis of single umbilical artery. Obstet Gynecol 1984;63:693
138. Ulm B, Ulm MR, Deutinger J, Bernaschek G. Umbilical artery Doppler velocimetry in fetuses with a single umbilical artery. Obstet Gynecol. 1997 Aug;90(2):205-9
139. Vlietinck RF, Thiery M, Orye E, De Clereq A, Van Vaerenbergh P. Significance of the single umbilical artery. A clinical, radiological, chromosomal and dermatoglyphic study. Arch Dis Child 1972;47:639-42
140. Wu MH; Chang FM, Shen MR, Yao BL, Chang CH, Yu CH, Hsu CC, Huang KE. Prenatal sonographic diagnosis of single umbilical artery. J Clin Ultrasound. 1997 Oct;25(8):425-30
141. Yeo L, Guzman ER, Shen-Schwarz S, Walters C, Vintzileos AM. Value of a complete sonographic survey in detecting fetal abnormalities: correlation with perinatal autopsy. J Ultrasound Med. 2002 May;21(5):501-10

142. Yoshimura S, Masuzaki H, Gotoh H, Ishimaru T. The relationship between blood flow redistribution in umbilical artery and middle cerebral artery and fetal growth in intrauterine growth retardation. *Nippon Sanka Fujinka Gakkai Zasshi*. 1995 Dec;47(12):1352-8
143. Weissman A, Drugan A: Sonographic findings of the umbilical cord: implications for the risk of fetal chromosomal anomalies. *Ultrasound Obstet Gynecol* 2001;17:536-41
144. Wilson RD, Chitayat D, McGillivray BC. Fetal ultrasound abnormalities: correlation with fetal karyotype, autopsy findings, and postnatal outcome – five-year prospective study. *Am J Med Genet*. 1992 Nov 15;44(5):586-90
145. Zienert A, Bollmann R, Chaoui R, Bartho S. Single umbilical artery- consequences of prenatal diagnosis. *Zentralbl Gynäkol*. 1992;114(3):131-5