

**Literature search on screening for vasa praevia**  
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**May 2012**

**BACKGROUND:** The previous UK National Screening Committee review on screening for vasa praevia was published in 2008. The literature searches were carried out in July 2008.

The 2008 review is, therefore, the starting point for the 2012 update.

To ensure that no references have been missed the searches from the 2008 review were re-run in the same databases from 2008-2012.

**SOURCES SEARCHED:** Medline (OvidSP), Embase, and the Cochrane Library.

**DATES OF SEARCH:** January 2008 – May 2012

**SEARCH STRATEGY:**

**Medline and Embase (Ovid SP):** (vasa adj (previa or praevia)).tw

**Cochrane Library:** vasa near (previa or praevia)

**All searches carried out on 18 May 2012**

<b>Medline</b>	32
<b>Embase</b>	48
<b>Cochrane Library</b>	4
<b>Total</b>	<b>85</b>

**Inclusions and exclusions**

The above search strategies retrieved 85 references in total. After duplicate references were removed a total of 55 potentially relevant references were left. The title and abstracts of the remaining citations were scanned for relevance to screening for vasa praevia.

**35** references were deemed to be relevant

<b>Guidelines</b>	<b>1</b>
<b>Screening and prenatal diagnosis</b>	<b>7</b>
<b>Risk factors</b>	<b>4</b>
<b>Timing of delivery</b>	<b>1</b>
<b>Audit/surveys</b>	<b>3</b>
<b>Case reports</b>	<b>19</b>
<b>Total</b>	<b>35</b>

These references are listed below.

### **Guidelines (1)**

1. Gagnon R, Morin L, Bly S, et al. Guidelines for the management of vasa previa. *J Obstet Gynaecol Can* 2009;31(8):748-60.

### **Screening and prenatal diagnosis (7)**

1. Romero V, Perni U, Joshi D, et al. Neonatal outcomes after prenatally diagnosed vasa previa. A case series. *Reprod Sci* 2011;Conference: 58th Annual Scientific Meeting of the Society for Gynecologic Investigation, SGI 2011 Miami Beach, FL United States. Conference Start: 20110316 Conference End: 20110319. Conference Publication: (var.pagings). 18 (3 SUPPL. 1):183A.
2. Kanda E, Matsuda Y, Kamitomo M, et al. Prenatal diagnosis and management of vasa previa: a 6-year review. *Journal of Obstetrics & Gynaecology Research* 2011;37(10):1391-6.
3. Hasegawa J, Nakamura M, Sekizawa A, et al. Prediction of risk for vasa previa at 9-13 weeks' gestation. *Journal of Obstetrics & Gynaecology Research* 2011;37(10):1346-51.
4. Smorgick N, Tovbin Y, Ushakov F, et al. Is neonatal risk from vasa previa preventable? The 20-year experience from a single medical center. *Journal of clinical ultrasound : JCU* 2010;38 (3):118-22.
5. Hasegawa J, Farina A, Nakamura M, et al. Analysis of the ultrasonographic findings predictive of vasa previa. *Prenatal Diagnosis* 2010;30 (12-13):1121-25.
6. Cipriano LE, Barth WH, Jr., Zaric GS. The cost-effectiveness of targeted or universal screening for vasa praevia at 18-20 weeks of gestation in Ontario. *BJOG: An International Journal of Obstetrics & Gynaecology* 2010;117(9):1108-18.
7. Markov D, Ivanov S, Markov P, et al. [Velamentous insertion of the umbilical cord--diagnosis and management]. *Akusherstvo i Ginekologija* 2009;48(5):3-10.

### **Risk factors (4)**

1. Weintraub AY, Gutvirtz G, Sergienko R, et al. Vasa-previa: A critical analysis of risk factors and perinatal outcomes of 237 cases. *American Journal of Obstetrics and Gynecology* 2012;Conference: 32nd Annual Meeting of the Society for Maternal-Fetal Medicine: The Pregnancy Meeting Dallas, TX United States. Conference Start: 20120206 Conference End: 20120211. Conference Publication: (var.pagings). 206 (1 SUPPL. 1):S63.
2. Turizo SF, Ruiz OV, Gomis AIE, et al. Fetal mortality term gestation in last two decades - A descriptive study. *Journal of Maternal-Fetal and Neonatal Medicine* 2010;Conference: 22nd European Congress of Perinatal Medicine, 2010 Granada Spain. Conference Start: 20100526 Conference End: 20100529. Conference Publication: (var.pagings). 23:134.
3. Suzuki S, Igarashi M, Inde Y, et al. Abnormally shaped placentae in twin pregnancy. *Archives of Gynecology and Obstetrics* 2010;281 (1):65-69.
4. Gandhi M, Cleary-Goldman J, Ferrara L, et al. The association between vasa previa, multiple gestations, and assisted reproductive technology. *American Journal of Perinatology* 2008;25 (9):587-89.

### **Timing of delivery (1)**

1. Robinson BK, Grobman WA. Effectiveness of timing strategies for delivery of individuals with vasa previa. *Obstetrics and Gynecology* 2011;117 (3):542-49.

### Audit/surveys (3)

1. Romero V, Joshi D, Van De Ven C, et al. Prenatal diagnosis, antenatal surveillance, and timing of delivery for vasa previa: A national survey. *American Journal of Obstetrics and Gynecology* 2012;Conference: 32nd Annual Meeting of the Society for Maternal-Fetal Medicine: The Pregnancy Meeting Dallas, TX United States. Conference Start: 20120206 Conference End: 20120211. Conference Publication: (var.pagings). 206 (1 SUPPL. 1):S83.
2. Knowles L, Attilakos G. Management and outcome of vasa praevia in a teaching hospital over a 10 year period. *Archives of Disease in Childhood: Fetal and Neonatal Edition* 2011;Conference: Perinatal Medicine 2011 Harrogate United Kingdom. Conference Start: 20110615 Conference End: 20110617. Conference Publication: (var.pagings). 96:Fa83.
3. Ioannou C, Wayne C. Diagnosis and management of vasa previa: a questionnaire survey. *Ultrasound in obstetrics & gynecology : the official journal of the International Society of Ultrasound in Obstetrics and Gynecology* 2010;35 (2):205-09.

### Case reports (19)

1. Mazarico Gallego E, Valladares Perez E, Garcia-Penche Santillan I, et al. Rupture of vasa previa: Case report and review of the literature. [Spanish]. *Progresos de Obstetricia y Ginecologia* 2012;55 (3):137-40.
2. Wazir S, Hapnes N, Harty S, et al. Vasa previa-a serious obstetric complication: A case report. *Irish Journal of Medical Science* 2011;Conference: Insitute of Obstetricians and Gynaecologists, RCPI Four Provinces Meeting, Junior Obstetrics and Gynaecology Society Annual Scientific Meeting, Royal Academy of Medicine in Ireland, Dublin Maternity Hospitals Reports Meeting 2010 Dublin Ireland. Conference Start: 20101126 Conference End: 20101126. Conference Publication: (var.pagings). 180:S128-S29.
3. Sanchez Gutierrez L, Martos Ortega N, Reillo Flokrans M, et al. Velamentous insertion of the umbilical cord without rupture of vasa previa. [Spanish]. *Progresos de Obstetricia y Ginecologia* 2011;54 (9):473-75.
4. Pirtea L, Grigoras D, Sas I, et al. Vasa previa - Case report. *Gineco.ro* 2011;7 (3):146-48.
5. Markham KB, O'Shaughnessy RW. Placental vasa previa. *The Lancet* 2011;377 (9771):1102.
6. Kuwata T, Matsubara S, Saito Y, et al. Large vasa previa mimicking a small forebag. *Journal of clinical ultrasound : JCU* 2011;39 (5):274-75.
7. Komatsu A, Kozuma S, Yoshida S, et al. A case of vasa previa diagnosed prenatally, and review of the literature. *J. Med. Ultrason.* 2011;38 (1):41-45.
8. Kikuchi A, Uemura R, Serikawa T, et al. Clinical significances of magnetic resonance imaging in prenatal diagnosis of vasa previa in a woman with bilobed placentas. *Journal of Obstetrics and Gynaecology Research* 2011;37 (1):75-78.
9. Samura O, Shimoto M, Nakamura H, et al. Prenatal diagnosis in pregnant women with vasa previa: Case report. *Prenatal Diagnosis* 2010;Conference: 15th International Conference on Prenatal Diagnosis and Therapy, ISPD Amsterdam Netherlands. Conference Start: 20100711 Conference End: 20100714. Conference Publication: (var.pagings). 30:S74-S75.
10. Papathanasiou D, Witlox R, Oepkes D, et al. Monochorionic twins with ruptured vasa previa: Double trouble! *Fetal Diagnosis and Therapy* 2010;28 (1):48-50.
11. Kouach J, Hafidi R, Moussaoui RD, et al. Vasa previa. *Journal of obstetrics and gynaecology Canada : JOGC = Journal d'obstetrique et gynecologie du Canada : JOGC* 2010;32 (3):203-04.

12. Garicano A, Nieto O, Varela B, et al. Prenatal diagnosis of vasa previa in a twin pregnancy. *Journal of Maternal-Fetal and Neonatal Medicine* 2010;Conference: 22nd European Congress of Perinatal Medicine, 2010 Granada Spain. Conference Start: 20100526 Conference End: 20100529. Conference Publication: (var.pagings). 23:429.
13. Chmait RH, Chavira E, Kontopoulos EV, et al. Third trimester fetoscopic laser ablation of type II vasa previa. *Journal of Maternal-Fetal and Neonatal Medicine* 2010;23 (5):459-62.
14. Blagaic V, Ivkovic IE, Vecek N, et al. Life threatening vasa praevia: Three different cases and outcomes. *Gynaecologia et Perinatologia* 2010;19 (1):37-39.
15. Aguilar Romero MT, Carrillo Badillo MP, Valverde Pareja M, et al. Prenatal diagnosis of vasa previa: On purpose of two cases. *Journal of Maternal-Fetal and Neonatal Medicine* 2010;Conference: 22nd European Congress of Perinatal Medicine, 2010 Granada Spain. Conference Start: 20100526 Conference End: 20100529. Conference Publication: (var.pagings). 23:509.
16. Jose Canto Rivera M, Bachs SC, Vilarmau MG, et al. Vasa previa: prenatal ultrasound diagnosis and obstetric management. [Spanish]. *Progresos de Obstetricia y Ginecologia* 2009;52 (11):643-47.
17. Feijoo-Iglesias MB, Rodriguez-Ferrer RM, Vivanco-Montes ML, et al. A case report: Ruptured vasa previa plus abruptio placentae with foetal survival without sequelae. [Spanish]. *Matronas Profesion* 2009;10 (1):24-27.
18. Sinha P, Kaushik S, Kuruba N, et al. Vasa praevia: A missed diagnosis. *Journal of Obstetrics and Gynaecology* 2008;28 (6):600-03.
19. [Prenatal diagnosis of vasa previa]. *Akusherstvo i Ginekologija* 2008;47(6):28-35.