

**Thromboprophylaxis during pregnancy and the puerperium: a systematic review and economic evaluation to estimate the value of future research**  
**– additional project materials for NIHR131021**

**Excluded studies for systematic review of RAMs**

<b>Authors, year<sup>a</sup></b>	<b>Reason for exclusion</b>
Abdul Sultan <i>et al.</i> , 2013	Not a RAM for predicting the risk of developing VTE in pregnancy or the puerperium
Ahmadzia <i>et al.</i> , 2019	Abstract of included full text study (Ellis-Kahana 2020)
Alsayegh <i>et al.</i> , 2016	No relevant/useable outcome data
Bahl <i>et al.</i> , 2010	Not a RAM for predicting the risk of developing VTE in pregnancy or the puerperium
Banfield <i>et al.</i> , 2013	No relevant/useable outcome data
Bare <i>et al.</i> , 2013	Not a RAM for predicting the risk of developing VTE in pregnancy or the puerperium
Barros <i>et al.</i> , 2017	No relevant/useable outcome data
Barros <i>et al.</i> , 2017	No relevant/useable outcome data
Barros <i>et al.</i> , 2020	No relevant/useable outcome data
Barros <i>et al.</i> , 2011	No relevant/useable outcome data
Bastek <i>et al.</i> , 2011	Not a RAM for predicting the risk of developing VTE in pregnancy or the puerperium
Beckett <i>et al.</i> , 2013	No relevant/useable outcome data
Berkin <i>et al.</i> , 2016	No relevant/useable outcome data
Blondon <i>et al.</i> , 2015	Not a RAM for predicting the risk of developing VTE in pregnancy or the puerperium
Blondon and Hugon-Rodin 2017	Commentary
Campbell 2013	No relevant/useable outcome data
Cavazza <i>et al.</i> , 2010	Abstract of included full text study (Cavazza 2012)
Chauleur <i>et al.</i> , 2017	Data overlap - patients included in Chauleur 2018 (included study)
Chauleur <i>et al.</i> , 2010	No relevant/useable outcome data
Chauleur <i>et al.</i> , 2018	No relevant/useable outcome data
Cooley <i>et al.</i> , 2016	No relevant/useable outcome data
Creagh <i>et al.</i> , 2014	Not a RAM for predicting the risk of developing VTE in pregnancy or the puerperium
Creagh <i>et al.</i> , 2013	Not a RAM for predicting the risk of developing VTE in pregnancy or the puerperium

Crowley <i>et al.</i> , 2013	Abstract of excluded full text study (Crowley 2017)
Crowley <i>et al.</i> , 2017	No relevant/useable outcome data
Crowley <i>et al.</i> , 2013	Abstract of excluded full text study (Crowley 2017)
Cunningham <i>et al.</i> , 2015	Not a RAM for predicting the risk of developing VTE in pregnancy or the puerperium
Cutts <i>et al.</i> , 2014	Not a RAM for predicting the risk of developing VTE in pregnancy or the puerperium
Cutts <i>et al.</i> , 2011	Not a RAM for predicting the risk of developing VTE in pregnancy or the puerperium
Dargaud <i>et al.</i> , 2015	Abstract of included full text study (Dargaud 2017)
Dargaud <i>et al.</i> , 2009	Data overlap - patients included in Dargaud 2017 (included study)
Dargaud <i>et al.</i> , 2009	No relevant/useable outcome data
Davis and Hadpawat-Lee 2017	No relevant/useable outcome data
Dentali <i>et al.</i> , 2020	Not a RAM for predicting the risk of developing VTE in pregnancy or the puerperium
Francis Kim <i>et al.</i> , 2020	No relevant/useable outcome data
Francis Kim <i>et al.</i> , 2020	No relevant/useable outcome data
Fuller <i>et al.</i> , 2018	Not a RAM for predicting the risk of developing VTE in pregnancy or the puerperium
Gassmann <i>et al.</i> , 2020	Abstract of included full text study (Gassmann 2020)
Gerhardt <i>et al.</i> , 2016	Not a RAM for predicting the risk of developing VTE in pregnancy or the puerperium
Gherghe <i>et al.</i> , 2012	No relevant/useable outcome data
Goffman <i>et al.</i> , 2009	No relevant/useable outcome data
Gomez <i>et al.</i> , 2020	No relevant/useable outcome data
Grille <i>et al.</i> , 2015	No relevant/useable outcome data
Goodfellow <i>et al.</i> , 2017	No relevant/useable outcome data
Grant <i>et al.</i> , 2016	No relevant/useable outcome data
Handa <i>et al.</i> , 2015	No relevant/useable outcome data
Harris <i>et al.</i> , 2016	No relevant/useable outcome data
Hayes-Ryan and Byrne 2011	No relevant/useable outcome data
Hayes-Ryan and Byrne 2012	No relevant/useable outcome data
Heath and Goodfellow 2016	No relevant/useable outcome data
Henke and Pannucci 2010	Review
Kazi <i>et al.</i> , 2020	Not a RAM for predicting the risk of developing VTE in pregnancy or the puerperium
Lacoss and Jheeta 2017	Not a RAM for predicting the risk of developing VTE in pregnancy or the puerperium

Li <i>et al.</i> , 2018	Not a RAM for predicting the risk of developing VTE in pregnancy or the puerperium
Lindqvist 2018	Letter
Lindqvist and Hellgren 2011	No relevant/useable outcome data
Lindqvist <i>et al.</i> , 2002	No relevant/useable outcome data
Lou Mercade <i>et al.</i> , 2017	No relevant/useable outcome data
Marks and Maiti 2018	No relevant/useable outcome data
Mcarthur <i>et al.</i> , 2011	No relevant/useable outcome data
Mpouzouki <i>et al.</i> , 2013	No relevant useable outcome data
Naidoo <i>et al.</i> , 2019	No relevant/useable outcome data
Nct 2018	Protocol
Noone <i>et al.</i> , 2013	No relevant/useable outcome data
O'Connor <i>et al.</i> , 2011	Not a RAM for predicting the risk of developing VTE in pregnancy or the puerperium
O'Keefe <i>et al.</i> , 2019	Not a RAM for predicting the risk of developing VTE in pregnancy or the puerperium
Omunakwe <i>et al.</i> , 2017	No relevant/useable outcome data
Orfanelli <i>et al.</i> , 2017	No relevant/useable outcome data
O'Shaughnessy <i>et al.</i> , 2017	No relevant/useable outcome data
O'Shaughnessy <i>et al.</i> , 2018	No relevant/useable outcome data
O'Shaughnessy <i>et al.</i> , 2019	No relevant/useable outcome data
O'Sullivan <i>et al.</i> , 2020	No relevant/useable outcome data
O'Sullivan <i>et al.</i> , 2009	Not a RAM for predicting the risk of developing VTE in pregnancy or the puerperium
Ottawa Hospital Research Institute and Leo Pharma 2002	Protocol
Palmerola <i>et al.</i> , 2016	No relevant/useable outcome data
Pannucci and Fleming 2017	Not a RAM for predicting the risk of developing VTE in pregnancy or the puerperium
Pierce-Williams <i>et al.</i> , 2018	No relevant/useable outcome data
Potdar <i>et al.</i> , 2006	No relevant/useable outcome data
Rahim <i>et al.</i> , 2020	Not a RAM for predicting the risk of developing VTE in pregnancy or the puerperium
Righini <i>et al.</i> , 2013	Not a RAM for predicting the risk of developing VTE in pregnancy or the puerperium
Righini and Le Gal 2013	Not a RAM for predicting the risk of developing VTE in pregnancy or the puerperium
Ryan 2019	No relevant/useable outcome data
Saad <i>et al.</i> , 2018	Abstract of included full text study (Tran 2019)

Santos <i>et al.</i> , 2015	No relevant/useable outcome data
Schoenbeck <i>et al.</i> , 2011	No relevant/useable outcome data
Sellappan <i>et al.</i> , 2012	Not a RAM for predicting the risk of developing VTE in pregnancy or the puerperium
Shacaluga <i>et al.</i> , 2017	No relevant/useable outcome data
Tan and Wisdom 2006	No relevant/useable outcome data
Tang and Marsden 2011	No relevant/useable outcome data
Taylor <i>et al.</i> , 2000	No relevant/useable outcome data
Testa <i>et al.</i> , 2010	No relevant/useable outcome data
Testa <i>et al.</i> , 2013	No relevant/useable outcome data
Touhami <i>et al.</i> , 2018	Not a RAM for predicting the risk of developing VTE in pregnancy or the puerperium
Usoro <i>et al.</i> , 2019	Not a RAM for predicting the risk of developing VTE in pregnancy or the puerperium
Valdre <i>et al.</i> , 2016	No relevant/useable outcome data
Von Hawrylak 2018	No relevant/useable outcome data
Zhang <i>et al.</i> , 2020	No relevant/useable outcome data
<sup>a</sup> Full citations listed alphabetically below	

## REFERENCES

- Abdul Sultan A, West J, Tata LJ, et al. Risk of first venous thromboembolism in pregnant women in hospital: population based cohort study from England. *BMJ (Clinical Research Ed)* 2013;347:f6099. doi: <https://dx.doi.org/10.1136/bmj.f6099>
- Ahmadzia HK, Ellis-Kahana JK, Sparks AD, et al. 859: Predicting venous thromboembolism in obese pregnant women in a national study. *American Journal of Obstetrics and Gynecology* 2019;220(1 Supplement):S559-S60. doi: <http://dx.doi.org/10.1016/j.ajog.2018.11.882>
- Alsayegh F, Al-Jassar W, Wani S, et al. Venous Thromboembolism Risk and Adequacy of Prophylaxis in High Risk Pregnancy in the Arabian Gulf. *Current Vascular Pharmacology* 2016;14(4):368-73.
- Bahl V, Hu HM, Henke PK, et al. A validation study of a retrospective venous thromboembolism risk scoring method. *Annals of Surgery* 2010;251(2):344-50. doi: <https://dx.doi.org/10.1097/SLA.0b013e3181b7fca6>
- Banfield DA, Page LM, Cotzias CS, et al. Postnatal risk assessment of venous thromboembolism (VTE). *Archives of Disease in Childhood: Fetal and Neonatal Edition* 2013;98(SUPPL. 1) doi: <http://dx.doi.org/10.1136/archdischild-2013-303966.121>
- Bare LA, De Haan HG, Arellano AR, et al. A simple genetic thrombosis score of five single nucleotide polymorphisms is associated with risk of first venous thrombosis in pregnant women. *Blood* 2013;122(21)
- Barros V, Hase E, Igai AM, et al. Cancer and venous thromboembolism in pregnancy. *Research and Practice in Thrombosis and Haemostasis* 2017;1(Supplement 1):54. doi: <http://dx.doi.org/10.1002/rth2.12012>
- Barros V, Igai AM, Bortolotto MR, et al. Obesity and thromboembolic risk during hospitalization in pregnancy: Preliminary results. *Research and Practice in Thrombosis and Haemostasis* 2017;1(Supplement 1):1030.
- Barros V, Igai A, Fernanda B, et al. Preventing maternal death and morbidity from venous thromboembolism (VTE): Results from a VTE risk score trial during hospitalization. *Research and Practice in Thrombosis and Haemostasis* 2020;4(SUPPL 1):1197-98. doi: <http://dx.doi.org/10.1002/rth2.12393>
- Barros V, Oliveira A, Spadotto F, et al. Thrombosis risk score in pregnancy: Preliminary results from a model. *Journal of Perinatal Medicine* 2011;39(SUPPL. 1) doi: <http://dx.doi.org/10.1515/jpm-2012-1008>
- Bastek JA, Dainty E, Srinivas SK, et al. Pulmonary embolism in pregnancy: Do the diagnostic algorithms from non-pregnant populations apply? *American Journal of Obstetrics and Gynecology* 2011;204(1 SUPPL.):S317. doi: <http://dx.doi.org/10.1016/j.ajog.2010.10.834>
- Beckett V, Graham I, Keriakos R. Audit of prescribing and administration of thromboprophylaxis medication and stockings to in-patients of the obstetric and gynaecological wards at the

- Jessops Wing, Sheffield teaching hospitals. *BJOG: An International Journal of Obstetrics and Gynaecology* 2013;120(SUPPL. 1):437-38. doi: <http://dx.doi.org/10.1111/1471-0528.12301>
- Berkin JA, Lee C, Landsberger E, et al. Scorecard implementation improves identification of postpartum patients at risk for venous thromboembolism. *Journal of Healthcare Risk Management: The Journal of the American Society for Healthcare Risk Management* 2016;36(1):8-13. doi: <https://dx.doi.org/10.1002/jhrm.21229>
- Blondon M, Harrington L, Boehlen F, et al. Pre-pregnancy BMI and delivery BMI as risk factors for postpartum VTE: A population-based, case-control study. *Journal of Thrombosis and Haemostasis* 2015;13(SUPPL. 2):106. doi: <http://dx.doi.org/10.1111/jth.12993>
- Blondon M, Hugon-Rodin J. A clinical risk score to predict the incidence of postpartum venous thromboembolism. *Evidence-Based Medicine* 2017;22(3):98. doi: <http://dx.doi.org/10.1136/ebmed-2017-110680>
- Campbell MJ. Full audit cycle assessing how current antenatal inpatients are risk assessed for venous thromboembolic (VTE) disease as an inpatient and antenatally at Ninewells Hospital, Dundee, Scotland, October 2012. *BJOG: An International Journal of Obstetrics and Gynaecology* 2013;120(SUPPL. 1):472. doi: <http://dx.doi.org/10.1111/1471-0528.12301>
- Cavazza S, Rainaldi MP, Bonazzi F, et al. Thromboprophylaxis following cesarean section: A one site prospective pilot study to evaluate the application of a risk score model. *Pathophysiology of Haemostasis and Thrombosis* 2010;37(SUPPL. 1):A4. doi: <http://dx.doi.org/10.1159/000318095>
- Chauleur C, Gris JC, Laporte S, et al. Implementation of risk score-guided prophylaxis in over 2000 pregnant women at risk of thrombotic events: Impact on morbidity. A quasi-experimental prospective study. *Thrombosis Research* 2017;151(Supplement 1):S107-S08.
- Chauleur C, Gris JC, Laporte S, et al. Use of the Delphi method to facilitate antithrombotics prescription during pregnancy. *Thrombosis Research* 2010;126(2):88-92. doi: <https://dx.doi.org/10.1016/j.thromres.2010.01.012>
20. Chauleur C, Gris J-C, Laporte S, et al. Benefit of Risk Score-Guided Prophylaxis in Pregnant Women at Risk of Thrombotic Events: A Controlled Before-and-After Implementation Study. *Thrombosis and Haemostasis* 2018;118(9):1564-71. doi: <https://dx.doi.org/10.1055/s-0038-1668524>
- Cooley SM, Donnelly JC, Deering M, et al. Thrombocalc: Personalized postpartum VTE risk assessment in a high-throughput environment. *American Journal of Obstetrics and Gynecology* 2016;214(1 SUPPL. 1):S26-S27.
- Creagh MD, Davies B, Webborn A, et al. Practice using a programme for avoidance of venous thrombo-embolism (VTE) in pregnancy; Is post delivery risk assessment undertaken and

effective? *British Journal of Haematology* 2014;165(SUPPL. 1):44-45. doi:  
<http://dx.doi.org/10.1111/bjh.12802>

- Creagh MD, Dehnel A, Rider L, et al. Does systematic risk assessment in pregnancy identify women at risk for venous thromboembolism and so avoid thrombosis? Experience of an 18 month programme based on national guidance. *Journal of Thrombosis and Haemostasis* 2013;11(SUPPL. 2):867.
- Crowley MP, Noone C, Higgins JR, et al. Venous thromboembolism (VTE) prophylaxis in hospitalized obstetric patients in Ireland: A multicentre cross-sectional study. *Journal of Thrombosis and Haemostasis* 2013;11(SUPPL. 2):739.
- Crowley MP, Noone C, Higgins JR, et al. A Multicentre Study of Thromboprophylaxis in Pregnancy. *Irish Medical Journal* 2017;110(5):567.
- Crowley MP, Noone C, Higgins JR, et al. Venous thromboembolism (VTE) prophylaxis in hospitalized obstetric patients: A multicentre cross-sectional study. *Haematologica* 2013;98(SUPPL. 1):438.
- Cunningham Y, MacDonald H, Coutts S. Bettering antenatal and postnatal risk assessment for venous thromboembolism - A quality improvement approach. *BJOG: An International Journal of Obstetrics and Gynaecology* 2015;122(SUPPL. 2):263. doi:  
<http://dx.doi.org/10.1111/14710528.13383>
- Cutts BA, Tran HA, Merriman E, et al. The utility of the Wells clinical prediction model and ventilation-perfusion scanning for pulmonary embolism diagnosis in pregnancy. *Blood Coagulation & Fibrinolysis: An International Journal in Haemostasis and Thrombosis* 2014;25(4):375-8. doi: <https://dx.doi.org/10.1097/MBC.0000000000000054>
- Cutts BA, Tran H, Merriman E, et al. The utility of the wells clinical prediction model and ventilation-perfusion scanning for pulmonary embolism in pregnancy. *Journal of Thrombosis and Haemostasis* 2011;9(SUPPL. 2):631. doi: [http://dx.doi.org/10.1111/j.1538-7836.2011.04380\\_3.x](http://dx.doi.org/10.1111/j.1538-7836.2011.04380_3.x)
- Dargaud YG, Rugeri L, Fleury C, et al. Individually tailored prophylaxis using a risk score for the management of pregnant women with increased risk of venous thromboembolism. *Blood* 2015;126(23):889.
- Dargaud Y, Rugeri L, Vergnes MC, et al. A risk score for the management of pregnant women with increased risk of venous thromboembolism: a multicentre prospective study. *British Journal of Haematology* 2009;145(6):825-35. doi: <https://dx.doi.org/10.1111/j.1365-2141.2009.07698.x>
- Dargaud Y, Rugeri L, Vergnes MC, et al. Management of pregnancies with high risk of thrombosis: A multicenter prospective study. *Journal of Thrombosis and Haemostasis* 2009;7(S2):1060-61. doi: <http://dx.doi.org/10.1111/j.1538-7836.2009.03473-2.x>

- Davis B, Hadpawat-Lee A. Venous thromboembolism: Comparing risk assessment tools for postpartum prophylaxis in a teaching hospital. *Obstetrics and Gynecology* 2017;129(Supplement 1):114S.
- Dentali F, Fontanella A, Cohen AT, et al. Derivation and Validation of a Prediction Model for Venous Thromboembolism in Primary Care. *Thrombosis and Haemostasis* 2020;120(4):692-701. doi: <http://dx.doi.org/10.1055/s-0040-1701483>
- Francis Kim AP, Saleh M, Melendez Torres A, et al. Age and body mass index can screen for VTE risk at labor and delivery admission. *Obstetrics and Gynecology* 2020;135(Supplement 1):39S.
- Francis Kim AP, Saleh M, Torres AM, et al. Impact of delivery-related factors on venous thromboembolism risk during labor. *Obstetrics and Gynecology* 2020;135(Supplement 1):128S.
- Fuller GW, Nelson-Piercy C, Hunt BJ, et al. Consensus-derived clinical decision rules to guide advanced imaging decisions for pulmonary embolism in pregnancy and the postpartum period. *European Journal of Emergency Medicine: Official Journal of the European Society for Emergency Medicine* 2018;25(3):221-22. doi: <https://dx.doi.org/10.1097/MEJ.0000000000000477>
- Gassmann N, Viviano M, Fontana P, et al. Comparison of recommended postpartum thromboprophylaxis and of absolute risk thresholds according to the RCOG, ACCP and ACOG guidelines. *Research and Practice in Thrombosis and Haemostasis* 2020;4(SUPPL 1):32-33. doi: <http://dx.doi.org/10.1002/rth2.12401>
- Gerhardt A, Scharf RE, Greer IA, et al. Hereditary risk factors for thrombophilia and probability of venous thromboembolism during pregnancy and the puerperium. *Blood* 2016;128(19):2343-49. doi: <http://dx.doi.org/10.1182/blood-2016-03-703728>
- Gherghe M, Moss H, Gibson J, et al. Risk assessment to reduce thromboembolic disease in obstetric practice: A regional audit. *Archives of Disease in Childhood: Fetal and Neonatal Edition* 2012;97(SUPPL. 1):A49. doi: <http://dx.doi.org/10.1136/fetalneonatal-2012-301809.156>
- Goffman D, Fisher N, Kowenski J, et al. Utilization of a checklist to evaluate risk for postpartum venous thromboembolism. *American Journal of Obstetrics and Gynecology* 2009;201(6 SUPPL. 1):S297. doi: <http://dx.doi.org/10.1016/j.ajog.2009.10.848>
- Gomez D, Orfanelli T, Awomolo A, et al. A comparison of pregnancy-specific risk scoring systems for venous thromboembolic pharmacoprophylaxis in hospitalized maternity patients. *The Journal of Maternal-Fetal & Neonatal Medicine: The Official Journal of the European Association of Perinatal Medicine, the Federation of Asia and Oceania Perinatal Societies, the International Society of Perinatal Obstetricians* 2020:1-8. doi: <https://dx.doi.org/10.1080/14767058.2020.1832072>



- Grille S, Castro V, Turcatti P, et al. Prophylaxis for venous thromboembolic disease in pregnancy and postpartum period. *Haematologica* 2015;100(SUPPL. 1):626.
- Goodfellow A, Heath S, George L, et al. Perinatal venous thromboembolism state based prevention strategy: Midwifery risk assessment tool. *Thrombosis Research* 2017;151(Supplement 1):S132.
- Grant GH, Merriman JB, Hoffman MK. Implementation and efficacy of a formalized venous thromboembolism prevention strategy in the peripartum population. *American Journal of Obstetrics and Gynecology* 2016;214(1 SUPPL. 1):S227-S28.
- Handa S, Singh S, Bhandal N. Retrospective audit of venous thromboembolism risk assessment in obstetric postoperative patients. *Anaesthesia* 2015;70(SUPPL. 3):72. doi: <http://dx.doi.org/10.1111/anae.13136>
- Harris C, Sulmers C, Groesch K, et al. Venous thromboembolism: Padua prediction score in the obstetric patient. *Obstetrics and Gynecology* 2016;127(Supplement 1):88S. doi: <http://dx.doi.org/10.1097/01.AOG.0000483795.00678.28>
- Hayes-Ryan D, Byrne B. Thromboprophylaxis in pregnancy the practical implications of guidelines. *American Journal of Obstetrics and Gynecology* 2011;204(1 SUPPL.):S315-S16. doi: <http://dx.doi.org/10.1016/j.ajog.2010.10.829>
- Hayes-Ryan D, Byrne BM. Prevention of thrombosis in pregnancy: how practical are consensus derived clinical practice guidelines? *Journal of Obstetrics and Gynaecology: The Journal of the Institute of Obstetrics and Gynaecology* 2012;32(8):740-2. doi: <https://dx.doi.org/10.3109/01443615.2012.693982>
- Heath S, Goodfellow A. Maternal venous thromboembolism (VTE) risk assessment. *Journal of Paediatrics and Child Health* 2016;52(Supplement 2):69. doi: <http://dx.doi.org/10.1111/jpc.13194>
- Henke PK, Pannucci CJ. Venous thromboembolism risk factor assessment and prophylaxis. *Phlebology* 2010;25(5):219-23. doi: <http://dx.doi.org/10.1258/phleb.2010.010018>
- Kazi S, McLeod A, Berndl A. Approach to venous thromboembolism risk in women with physical disability in pregnancy-multidisciplinary survey. *Research and Practice in Thrombosis and Haemostasis* 2020;4(SUPPL 1):1283-84. doi: <http://dx.doi.org/10.1002/rth2.12393>
- LaCoss E, Jheeta S. How accurate is information documented on inpatient electronic venous thromboembolism risk-assessment forms? *Journal of Pharmacy and Pharmacology* 2017;69(Supplement 1):13-14. doi: <http://dx.doi.org/10.1111/jphp.12850>
- Li C, Zuo Y, Karp D, et al. Identifying clinical and epidemiological risk factors associated with thrombosis and pregnancy morbidity in a large cohort of Chinese APS patients. *International Journal of Rheumatic Diseases* 2018;21(Supplement 1):126-27. doi: <http://dx.doi.org/10.1111/1756-185X.13361>

- Lindqvist PG. Re: Postpartum venous thromboembolism prophylaxis may cause more harm than benefit: a critical analysis of international guidelines through an evidence-based lens: Postpartum thromboprophylaxis is cost-effective using the Swedish thromboprophylaxis algorithm. *BJOG: An International Journal of Obstetrics and Gynaecology* 2018;125(9):1194-95. doi: <http://dx.doi.org/10.1111/1471-0528.15266>
- Lindqvist PG, Hellgren M. Obstetric thromboprophylaxis: the Swedish guidelines. *Advances in hematology* 2011;2011:157483. doi: <https://dx.doi.org/10.1155/2011/157483>
- Lindqvist PG, Kublikas M, Dahlback B. Individual risk assessment of thrombosis in pregnancy. *Acta Obstetrica et Gynecologica Scandinavica* 2002;81(5):412-6.
- Lou Mercade AC, Saviron Cornudella R, Cornudella Lacasa R. AnticoagObs: An application for antenatal and postpartum risk assessment and prophylaxis of venous thromboembolism. *Thrombosis Research* 2017;151(Supplement 1):S127.
- Marks D, Maiti S. Venous thromboembolism risk assessment and prescribing on the postnatal ward at north manchester general hospital: A clinical audit. *BJOG: An International Journal of Obstetrics and Gynaecology* 2018;125(Supplement 3):25. doi: <http://dx.doi.org/10.1111/1471-0528.15493>
- McArthur L, Whittaker B, Rajasri A, et al. Venous thrombo-embolic risk in pregnancy and the puerperium: Can self-assessment identify risk and guide further care? *British Journal of Haematology* 2011;153(SUPPL. 1):84-85. doi: <http://dx.doi.org/10.1111/j.13652141.2011.08609>
- Mpouzouki A, Bowles L, Beski S, et al. A retrospective review of risk factors for thrombosis in women presenting with venous thromboembolism (VTE) during pregnancy and the puerperium. *Thrombosis Research* 2013;131(SUPPL. 1):S82. doi: <http://dx.doi.org/10.1016/S0049-3848%2813%2970070-7>
- Naidoo P, Mothilal R, Snyman LC. Assessment and management of venous thrombo-embolism risk during pregnancy and the puerperium (SAVE): The South African cohort. *South African Medical Journal* 2019;109(3):186-92. doi: <https://dx.doi.org/10.7196/SAMJ.2019.v109i3.13487>
- NCT. Pregnancy and Risk of Venous Thromboembolism. <https://clinicaltrials.gov/show/NCT03659708> 2018
- Noone CM, O'Shea S, Crowley MP, et al. Venous thromboembolism (VTE) risk assessment & prophylaxis in Irish hospitalized obstetric patients: A nationwide cross-sectional study. *Blood* 2013;122(21)
- O'Connor C, Moriarty J, Walsh J, et al. The application of a clinical risk stratification score may reduce unnecessary investigations for pulmonary embolism in pregnancy. *The Journal of Maternal-Fetal & Neonatal Medicine: The Official Journal of the European Association of Perinatal Medicine, the Federation of Asia and Oceania Perinatal Societies, the International*

- Society of Perinatal Obstetricians* 2011;24(12):1461-4. doi:  
<https://dx.doi.org/10.3109/14767058.2011.614652>
- O'Keefe D, Hui L, Ho P, et al. Evaluation of global coagulation assays for assessment of clotting function and risk of venous thromboembolism in pregnancy and post-partum. *Australian and New Zealand Journal of Obstetrics and Gynaecology* 2019;59(Supplement 1):68-69. doi:  
<http://dx.doi.org/10.1111/ajo.13067>
- Omunakwe HE, Roberts LN, Patel JP, et al. Re: A comparison of the recommendations for pharmacologic thromboembolism prophylaxis after caesarean delivery from the major guidelines: Impact on thromboprophylaxis rates of implementing Royal College of Obstetricians and Gynaecologists' guidance for reducing the risk of ante- and postnatal venous thromboembolism. *BJOG: An International Journal of Obstetrics and Gynaecology* 2017;124(5):831-32. doi: <http://dx.doi.org/10.1111/1471-0528.14001>
- Orfanelli T, Awomolo A, Gomez D, et al. A comparison of peripartum scoring systems of anticoagulation for venous thromboembolic prophylaxis. *Obstetrics and Gynecology* 2017;129(Supplement 1):112S.
- O'Shaughnessy F, Donnelly JC, Cooley SM, et al. Thrombocalc: implementation and uptake of personalized postpartum venous thromboembolism risk assessment in a high-throughput obstetric environment. *Acta obstetrica et gynecologica Scandinavica* 2017;96(11):1382-90. doi: <https://dx.doi.org/10.1111/aogs.13206>
- O'Shaughnessy F, Donnelly J, Cooley S, et al. Initiating postpartum pharmacological thromboprophylaxis: A comparison of international recommendations. *American Journal of Obstetrics and Gynecology* 2018;218(1 Supplement 1):S493-S94.
- O'Shaughnessy F, Ni Ainle F, Jennifer D, et al. Preventing postpartum venous thromboembolism; impact of systematic VTE risk assessment. *Research and Practice in Thrombosis and Haemostasis* 2019;3(Supplement 1):225-26. doi: <http://dx.doi.org/10.1002/rth2.12227>
- O'Sullivan C, Christensen K, Gallagher G, et al. Peripartum vte risk assessment in a tertiary centre: An audit. *Journal of Paediatrics and Child Health* 2020;56(SUPPL 1):143. doi:  
<http://dx.doi.org/10.1111/jpc.14868>
- O'Sullivan C, Moriarty J, Walsh J, et al. Application of a clinical risk stratification score in pregnancy and the puerperium - Can unnecessary investigations for pulmonary embolism be avoided? *American Journal of Obstetrics and Gynecology* 2009;201(6 SUPPL. 1):S68. doi:  
<http://dx.doi.org/10.1016/j.ajog.2009.10.161>
- Ottawa Hospital Research Institute, LEO Pharma. The STOP CLOT Pilot Study: Study of Low Molecular Weight Heparin in High Risk Cesarean Section:  
<https://ClinicalTrials.gov/show/NCT00225108>, 2002.
- Palmerola KL, D'Alton ME, Brock CO, et al. A comparison of recommendations for pharmacologic thromboembolism prophylaxis after caesarean delivery from three major guidelines. *BJOG:*

- An International Journal of Obstetrics and Gynaecology* 2016;123(13):2157-62. doi:  
<https://dx.doi.org/10.1111/1471-0528.13706>
- Pannucci C, Fleming K. The electronic medical record underestimates venous thromboembolism risk using the 2005 caprini score compared with face-to-face interaction. *Journal of Vascular Surgery: Venous and Lymphatic Disorders* 2017;5(1):152-53. doi:  
<http://dx.doi.org/10.1016/j.jvsv.2016.10.028>
- Pierce-Williams R, Cohen I, D'Adamo C, et al. Venous thromboembolism prophylaxis after cesarean section: A quality improvement project. *Obstetrics and Gynecology* 2018;131(Supplement 1):104S-05S.
- Potdar N, Jabbar B, Burrell SJ. Thromboprophylaxis after vaginal delivery: a district general hospital experience. *Journal of Obstetrics and Gynaecology: The Journal of the Institute of Obstetrics and Gynaecology* 2006;26(1):24-6.
- Rahim MN, Williamson C, Kametas NA, et al. Using pregnancy to assess risk and predict women's health. *EClinicalMedicine* 2020;20:100292. doi:  
<http://dx.doi.org/10.1016/j.eclinm.2020.100292>
- Righini M, Jobic C, Boehlen F, et al. Predicting deep venous thrombosis in pregnancy: external validation of the LEFT clinical prediction rule. *Haematologica* 2013;98(4):545-8. doi:  
<https://dx.doi.org/10.3324/haematol.2012.072009>
- Righini M, Le Gal G. Predicting deep venous thrombosis in pregnancy: External validation of the 'left' clinical prediction rule. *Journal of Thrombosis and Haemostasis* 2013;11(SUPPL. 3):91. doi:  
<http://dx.doi.org/10.1111/jth.12443>
- Ryan N. Maternal thromboprophylaxis assessment tool: An audit. *Irish Journal of Medical Science* 2019;188(Supplement 7):S53. doi: <http://dx.doi.org/10.1007/s11845-019-02053-0>
- Saad A, Tran JP, Stribling S, et al. Performance of risk assessment models for thromboprophylaxis in an obstetric population. *American Journal of Obstetrics and Gynecology* 2018;218(1 Supplement 1):S48-S49.
- Santos R, Barros VV, Igai AK, et al. Maternal death and Venous Thromboembolism (VTE) in patients admitted in a maternity of high risk: Results pre and post application of a risk score. *Journal of Thrombosis and Haemostasis* 2015;13(SUPPL. 2):679. doi:  
<http://dx.doi.org/10.1111/jth.12993>
- Schoenbeck D, Nicolle A, Newbegin K, et al. The use of a scoring system to guide thromboprophylaxis in a high-risk pregnant population. *Thrombosis* 2011;2011:652796. doi:  
<https://dx.doi.org/10.1155/2011/652796>
- Sellappan KV, Farr R, Hill P. An audit on risk assessment of women at antenatal booking appointment. *International Journal of Gynecology and Obstetrics* 2012;119(SUPPL. 3):S703-S04. doi: <http://dx.doi.org/10.1016/S0020-7292%2812%2961724-X>

- Shacaluga A, Wallace P, Rayment R. Abandoning RCOG Guideline 37a: A risk worth taking? *BJOG: An International Journal of Obstetrics and Gynaecology* 2017;124(Supplement 1):142. doi: [http://dx.doi.org/10.1111/1471-0528.9\\_14572](http://dx.doi.org/10.1111/1471-0528.9_14572)
- Tan EK, Wisdom SJ. Thromboprophylaxis post vaginal delivery: are we forgetting it? Audit on thromboprophylaxis prescription post vaginal births. *Journal of Obstetrics and Gynaecology: The Journal of the Institute of Obstetrics and Gynaecology* 2006;26(1):27-9.
- Tang Z, Marsden PJ. Risk assessment and management of venous thrombo-embolism in obstetric women. *Archives of Disease in Childhood: Fetal and Neonatal Edition* 2011;96(SUPPL. 1) doi: <http://dx.doi.org/10.1136/adc.2011.300163.65>
- Taylor GM, McKenzie CA, Mires GJ. Use of a computerised maternity information system to improve clinical effectiveness: thromboprophylaxis at caesarean section. *Postgraduate Medical Journal* 2000;76(896):354-6.
- Testa S, Paoletti O, Ronca E, et al. Health care program for thromboembolism prevention in pregnancy. *Pathophysiology of Haemostasis and Thrombosis* 2010;37(SUPPL. 1):A76. doi: <http://dx.doi.org/10.1159/000318097>
- Testa S, Passamonti SM, Paoletti O, et al. The pregnancy health-care program: A model for the prevention of venous thromboembolism in pregnancy. *Journal of Thrombosis and Haemostasis* 2013;11(SUPPL. 2):606.
- Touhami O, Marzouk SB, Bennis L, et al. Are the Wells Score and the Revised Geneva Score valuable for the diagnosis of pulmonary embolism in pregnancy? *European Journal of Obstetrics, Gynecology, and Reproductive Biology* 2018;221:166-71. doi: <https://dx.doi.org/10.1016/j.ejogrb.2017.12.049>
- Usoro E, Sakurai H, Aedla N. Investigation and management of venous thromboembolism in pregnancy. *European Journal of Obstetrics Gynecology and Reproductive Biology* 2019;234:e105. doi: <http://dx.doi.org/10.1016/j.ejogrb.2018.08.390>
- Valdre L, Lambertini I, Palareti G, et al. Comparison of strategies for preventing venous thromboembolism in high risk pregnant women according to national and international guidelines: Results of a prospective cohort study. *Blood Transfusion* 2016;14(Supplement 5):s747.
- Von Hawrylak F. Implementing a venous thromboembolism risk assessment in an abortion service. *European Journal of Contraception and Reproductive Health Care* 2018;23(Supplement 1):43. doi: <http://dx.doi.org/10.1080/13625187.2018.1442911>
- Zhang W, Shen J, Sun J-L. Risk scores, prevention, and treatment of maternal venous thromboembolism. *World Journal of Clinical Cases* 2020;8(11):2210-18. doi: <https://dx.doi.org/10.12998/wjcc.v8.i11.2210>