

*Curriculum Vitae*

Medical director. Board certified cardiologist holds a PhD in the field of anticoagulation and cardiovascular medicine. A broad experience in clinical and pre-clinical research and also hands-on with clinical practice. Management and policy experience.

**Work History**

|                         |  |               |
|-------------------------|--|---------------|
| <b>Company/Location</b> | <b>Title</b>   Medical Director EDS<br><b>Dates</b>   PRA Health Sciences, Groningen, 9728 NZ Groningen, NETHERLANDS<br>Mar 2019 - Present   | 1 yr, 8 mos   |
| <b>Company/Location</b> | <b>Title</b>   Cardiologist<br>Brouwer Cardiology, Zuidhorn, Groningen, NETHERLANDS<br><b>Dates</b>   Mar 2019 - Present<br><b>Responsibilities</b>   Clinical work as cardiologist in several hospitals | 1 yr, 8 mos   |
| <b>Company/Location</b> | <b>Title</b>   Chief Medical Officer<br>Nationale Trombosedienst, Ede, NETHERLANDS<br><b>Dates</b>   Jan 2005 - Present  | 4 yrs, 7 mos  |
| <b>Company/Location</b> | <b>Title</b>   Medical Staff President<br>PASANA CARE, Dokkum, Friesland, NETHERLANDS<br><b>Dates</b>   May 2012 - Mar 2016  | 3 yrs, 10 mos |
| <b>Company/Location</b> | <b>Title</b>   Cardiologist (full)<br>PASANA CARE, Dokkum, Friesland, NETHERLANDS<br><b>Dates</b>   May 2011 - Feb 2019  | 7 yrs, 9 mos  |
| <b>Company/Location</b> | <b>Title</b>   Medical Doctor Consultant (MDC)<br>BestDoctors, Boston, Massachusetts, UNITED STATES<br><b>Dates</b>   Jul 2010 - Dec 2017  | 7 yrs, 5 mos  |
| <b>Company/Location</b> | <b>Title</b>   Cardiologist resident<br>RADBOUD UNIVERSITY NIJMEGEN MEDICAL CENTRE, Nijmegen, Gelderland, NETHERLANDS<br><b>Dates</b>   Mar 2007 - Mar 2011  | 4 yrs, 0 mos  |
| <b>Company/Location</b> | <b>Title</b>   Internist intern<br>RIJNSTATE HOSPITAL, Arnhem, Gelderland, NETHERLANDS<br><b>Dates</b>   Sep 2005 - Mar 2007   | 1 yr, 6 mos   |
| <b>Company/Location</b> | <b>Title</b>   Chief Medical Officer<br>NATIONALE TROMBOSEDIENST, Ede, Gelderland, NETHERLANDS<br><b>Dates</b>   May 2005 - Present  | 15 yrs, 6 mos |
| <b>Company/Location</b> | <b>Title</b>   Coagulation specialist/ hematologist trainee<br>UNIVERSITY MEDICAL CENTER GRONINGEN, Groningen, Groningen, NETHERLANDS<br><b>Dates</b>   Mar 2000 - Sep 2005                              | 5 yrs, 6 mos  |
| <b>Company/Location</b> | <b>Title</b>   Principal investigator for AstraZeneca<br>PRINCIPAL INVESTIGATOR, Groningen, Groningen, NETHERLANDS<br><b>Dates</b>   Mar 1995 - Sep 2000   | 5 yrs, 6 mos  |

**Education**

- **High School, High school, Sep 1993**  
Ommelander college; Atheneum, Appingedam, Groningen, NETHERLANDS
- **Doctorate, MSc, Sep 1997**  
RijksUniversiteit Groningen, Groningen, Groningen, NETHERLANDS
- **Doctorate, MD, Mar 2000**  
University Medical Center Groningen (UMCG), Groningen, Groningen, NETHERLANDS
- **PhD, Oct 2009**  
University Medical Center Groningen (UMCG), Groningen, Groningen, NETHERLANDS  
Hematology;Cardio-Metabolic Diseases;Hereditary Disorders;Laboratory
- **Cardiologist, Mar 2011**  
Radboud University Nijmegen, Nijmegen, Gelderland, NETHERLANDS  
Cardio-Metabolic Diseases

### Licenses

- **FCCS (Fundamental Critical Care Support), NVIC, NETHERLANDS**  
Acquired Date: Nov 2015  
Expiration Date:

### Certificates

- **Certified CPR**, American Heart Association, NETHERLANDS  
Acquired Date: Nov 2017  
Expiration Date: Nov 2022
- **Health Care Managment**, Tias NIMBAS, NETHERLANDS  
Acquired Date: Oct 2010  
Expiration Date:

### Book & Book Chapter

- **Clinical implications of deficiencies of protein S, protein C or antithrombin.**, Brouwer JLP. , Brouwer JLP. Clinical implications of deficiencies of protein S, protein C or antithrombin. Groningen: s.n., 2009. 176 p., 2009

### Publications

- **Interaction of Hereditary Thrombophilia and Traditional Cardiovascular Risk Factors on the Risk of Arterial Thromboembolism: Pooled Analysis of Four Family Cohort Studies.**, Mahmoodi BK, Veeger NJ, Middeldorp S, Lijfering WM, Brouwer JL, Ten Berg J, Hamulyák K, Meijer K., Circ Cardiovasc Genet. 2016 Feb;9(1):79-85. doi: 10.1161/CIRCGENETICS.115.001211., 2016
- **The clinical impact of different coagulometers on patient outcomes**, Brouwer JL, Stoevelaar H, Sucker C., Adv Ther. 2014 Jun;31(6):639-56. doi: 10.1007/s12325-014-0124-x, 2014

- **Fetal loss in women with hereditary thrombophilic defects and concomitance of other thrombophilic defects: a retrospective family study.**, Korteweg FJ, Folkeringa N, Brouwer JL, Erwich JJ, Holm JP, van der Meer J, Veeger NJ., BJOG. 2012 Mar;119(4):422-30. doi: 10.1111/j.1471-0528.2011.03264.x., 2012
- **A prospective cohort study on the absolute risks of venous thromboembolism and predictive value of screening asymptomatic relatives of patients with hereditary deficiencies of protein S, protein C or antithrombin.**, Mahmoodi BK, Brouwer JL, Ten Kate MK, Lijfering WM, Veeger NJ, Mulder AB, Kluin-Nelemans HC, Van Der Meer J., J Thromb Haemost. 2010 Jun;8(6):1193-200. doi: 10.1111/j.1538-7836.2010.03840.x. Epub 2010 Mar 4., 2010
- **Selective testing for thrombophilia in patients with first venous thrombosis: results from a retrospective family cohort study on absolute thrombotic risk for currently known thrombophilic defects in 2479 relatives.**, Lijfering WM, Brouwer JL, Veeger NJ, Bank I, Coppens M, Middeldorp S, Hamulyák K, Prins MH, Büller HR, van der Meer J., Blood. 2009 May 21;113(21):5314-22. doi: 10.1182/blood-2008-10-184879., 2009
- **High long-term absolute risk of recurrent venous thromboembolism in patients with hereditary deficiencies of protein S, protein C or antithrombin.**, Brouwer JL, Lijfering WM, Ten Kate MK, Kluin-Nelemans HC, Veeger NJ, van der Meer J., Thromb Haemost. 2009 Jan;101(1):93-9., 2009
- **Hereditary deficiency of protein C or protein S confers increased risk of arterial thromboembolic events at a young age: results from a large family cohort study.**, Mahmoodi BK, Brouwer JL, Veeger NJ, van der Meer J., Circulation. 2008 Oct 14;118(16):1659-67. doi: 10.1161/CIRCULATIONAHA.108.780759., 2008
- **High absolute risks and predictors of venous and arterial thromboembolic events in patients with nephrotic syndrome: results from a large retrospective cohort study.**, Mahmoodi BK, ten Kate MK, Waanders F, Veeger NJ, Brouwer JL, Vogt L, Navis G, van der Meer J., Circulation. 2008 Jan 15;117(2):224-30. Epub 2007 Dec 24., 2007
- **The risk of venous and arterial thrombosis in hyperhomocysteinemic subjects may be a result of elevated factor VIII levels.**, Lijfering WM, Veeger NJ, Brouwer JL, van der Meer J., Haematologica. 2007 Dec;92(12):1703-6, 2007
- **High risk of pregnancy-related venous thromboembolism in women with multiple thrombophilic defects.**, Folkeringa N, Brouwer JL, Korteweg FJ, Veeger NJ, Erwich JJ, van der Meer J, Br J Haematol. 2007 Jul;138(1):110-6., 2007
- **Contribution of multiple thrombophilic and transient risk factors in the development of cerebral venous thrombosis.**, Libourel EJ, ten Kate MK, Brouwer JL, Veeger NJ, van der Meer J., Thromb Res. 2007;121(3):301-7. Epub 2007 May 31., 2007
- **Oral contraceptives and the absolute risk of venous thromboembolism in women with single or multiple thrombophilic defects: results from a retrospective family cohort study.**, van Vlijmen EF, Brouwer JL, Veeger NJ, Eskes TK, de Graeff PA, van der Meer J., Arch Intern Med. 2007 Feb 12;167(3):282-9., 2007
- **Reduction of high fetal loss rate by anticoagulant treatment during pregnancy in antithrombin, protein C or protein S deficient women.**, eringa N, Brouwer JL, Korteweg FJ, Veeger NJ, Erwich JJ, Holm JP, van der Meer J., Br J Haematol. 2007 Feb;136(4):656-61., 2007
- **Methionine-loading and random homocysteine tests have no added value in risk assessment for venous and arterial thrombosis.**, Lijfering WM, Veeger NJ, Brouwer JL, van de Poel MH, van der Meer J., J Thromb Haemost. 2007 Mar;5(3):614-6. Epub 2006 Dec 14., 2007

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- **The pathogenesis of venous thromboembolism: evidence for multiple interrelated causes.**, Brouwer JL, Veeger NJ, Kluin-Nelemans HC, van der Meer J., *Ann Intern Med.* 2006 Dec 5;145(11):807-15., 2006
- **Identification of a novel PROS1 c.1113T-->GG frameshift mutation in a family with mixed type I/type III protein S deficiency.**, ten Kate MK, Mulder R, Platteel M, Brouwer JL, van der Steege G, van der Meer J., *Haematologica.* 2006 Aug;91(8):1151-2., 2006
- **Difference in absolute risk of venous and arterial thrombosis between familial protein S deficiency type I and type III. Results from a family cohort study to assess the clinical impact of a laboratory test-based classification.**, Brouwer JL, Veeger NJ, van der Schaaf W, Kluin-Nelemans HC, van der Meer J, *Br J Haematol.* 2005 Mar;128(5):703-10., 2005
- **The contribution of inherited and acquired thrombophilic defects, alone or combined with antiphospholipid antibodies, to venous and arterial thromboembolism in patients with systemic lupus erythematosus.**, Brouwer JL, Bijl M, Veeger NJ, Kluin-Nelemans HC, van der Meer J., *Blood.* 2004 Jul 1;104(1):143-8. Epub 2004 Mar 16., 2004
- **Development and validation of a health-related quality-of-life questionnaire in patients with yellow jacket allergy.**, Oude Elberink JN, de Monchy JG, Golden DB, Brouwer JL, Guyatt GH, Dubois AE., *J Allergy Clin Immunol.* 2002 Jan;109(1):162-70., 2002

### Languages/Fluency

| Language | Conversational | Reading | Writing | Medical Records /Terminology |
|----------|----------------|---------|---------|------------------------------|
| Dutch    | High           | High    | High    | High                         |
| English  | High           | High    | High    | High                         |
| French   | Medium         | High    | Medium  | High                         |
| German   | Medium         | High    | Medium  | High                         |