

CURRICULUM VITAE

GUSTAF Arthur Viktor Edgren

S:t Eriksgatan 6, 1tr
SE-112 39 Stockholm
Sweden

+46-708-18 68 62 (mobile)

gustaf.edgren@gmail.com (private)

gustaf.edgren@ki.se (work)

Date of birth: 6th of July, 1981

Education

- 2010 MD, Karolinska Institutet
2007 PhD Epidemiology, Karolinska Institutet

Work experience

- 05/2013- Resident (ST-läkare) hematology, Department of Hematology, Karolinska University Hospital, Stockholm Sweden.
Since May 2013 I'm a resident in hematology at Karolinska University Hospital.
- 09/2012- Associate professor of epidemiology, Department of Medical Epidemiology and Biostatistics, Karolinska Institutet, Stockholm, Sweden.
Since September 2012, I am associate professor of epidemiology at the department of Medical Epidemiology and Biostatistics at Karolinska Institutet. My work primarily concerns the clinical epidemiology of blood donation and transfusions, as well as cancer epidemiology.
- 05/2010-03/2013 Intern (AT-läkare), Karolinska University Hospital, Stockholm, Sweden
Between May 2010 and March 2013, I served as a research intern at Karolinska University Hospital. The program was divided into four discrete sections with placements in internal medicine, surgery, psychiatry and family medicine. In addition, there was also time allotted for research.
- 06/2012-08/2012 Assistant professor/researcher, Department of Medical Epidemiology and Biostatistics, Karolinska Institutet, Stockholm, Sweden.
Permanent position as researcher/assistant professor at the department of Medical Epidemiology and Biostatistics at Karolinska Institutet.
- 08/2011-08/2012 Post-doctoral research fellow, Department of Epidemiology, School of Public Health, Harvard University, Cambridge, MA, USA.
Between August 2011 and August 2012, I was a post-doctoral research fellow at the School of Public Health at Harvard. My work primarily concerned causal inference with emphasis on dealing with exposure-outcome associations in the presence of significant reverse causation/time dependent confounding.
- 06/2009-07/2009 Junior House Officer (Underläkare), Department of Breast and Endocrine Surgery, Karolinska University Hospital, Stockholm, Sweden
As junior house officer I was responsible for much of the ward work - including admissions and discharges of patients. I also served as first assistant during surgeries, mostly of the thyroid, but also of intestinal carcinoids and sarcomas.

- 01/2008-08/2011 Post-doctoral research fellow, Department of Medical Epidemiology and Biostatistics, Karolinska Institutet, Stockholm, Sweden
My work at the Department of Medical Epidemiology and Biostatistics has been directed in two areas. Firstly, we've continued our work in transfusion epidemiology with several publications of more clinical flavor, but I've also published papers in other, unrelated areas.
- 05/2008-08/2008 Internship, McKinsey & Co, Stockholm
As an intern at McKinsey, I served as a management consultant in no fewer than five projects during a period of 12 weeks. I was exposed to work in such diverse areas as the pharmaceutical industry, medical technology industry and environmental technology. I was offered to stay on as a consultant, but declined.
- 01/2004-12/2007 Doctoral student, Karolinska Institutet, Stockholm, Sweden. Date of dissertation 2007-12-03
As a doctoral student in Epidemiology, I coordinated and performed most of the data management in the creation of the SCANDAT database. This eventually led to a number of important papers being published. On the side, I also published papers in unrelated fields, including one on HPV-related cancers.

Publications

1. Nordenvall C, Edgren G, Gillispie A, et al. Sommarsjukvård - ett dilemma? Läkartidningen 2004;101:290-2.
2. Edgren G, Hjalgrim H, Tran TN, et al. A population-based binational register for monitoring long-term outcome and possible disease concordance among blood donors and recipients. Vox Sang 2006;91:316-23.
3. Edgren G, Hjalgrim H, Reilly M, et al. Risk of cancer following blood transfusion from donors with subclinical cancer. Lancet 2007;369:1724-30.
4. Edgren G, Tran TN, Hjalgrim H, et al. Improving health profile of blood donors as a consequence of transfusion safety efforts. Transfusion 2007;47:2017-24.
5. Hjalgrim H, Edgren G, Rostgaard K, et al. Cancer incidence in blood transfusion recipients. J Natl Cancer Inst 2007;99:1864-74.
6. Edgren G, Sparén P. Risk of anogenital cancer after diagnosis of cervical intraepithelial neoplasia: a prospective population-based study. Lancet Oncol 2007;8:311-6.
7. Edgren G, Reilly M, Hjalgrim H, et al. Donation frequency, iron loss and risk of cancer among blood donors. J Natl Cancer Inst 2008;10:572-579.
8. Edgren G, Nyrén O, Melbye M. Cancer as a ferrotoxic disease: Are we getting hard stainless evidence? J Natl Cancer Inst 2008;100:976-7.
9. Hartman M, Hall P, Edgren G, et al. Breast cancer onset in twins and women with bilateral disease. J Clin Oncol 2008;26:4086-91.
10. Kamper-Jørgensen M, Ahlgren M, Rostgaard K, Melbye M, Edgren G, et al. Survival after blood transfusion. Transfusion 2008;48:2577-84.
11. Kamper-Jørgensen M, Edgren G, Rostgaard K, et al. Blood transfusion exposure in Denmark and Sweden. Transfusion 2009;49:888-94.

12. Kristinsson S, Derolf Å, Edgren G, Dickman P, Björkholm M. Socioeconomic differences in patient survival are increasing for acute myeloid leukemia and multiple myeloma in Sweden. *J Clin Oncol* 2008;27:2073-80.
13. Shanwell A, Andersson TML, Rostgaard K, Edgren G, et al. Post-transfusion mortality among recipients of ABO compatible but non-identical plasma. *Vox Sang* 2009;96:316-23.
14. Kamper-Jorgensen M, Hjalgrim H, Edgren G, et al. Expensive blood safety initiatives may offer less benefit than we think. *Transfusion* 2010;50:240-2.
15. Tynell E, Andersson TML, Norda R, et al. Should plasma from female donors be avoided? A population based cohort study of plasma recipients in Sweden 1990-2002. *Transfusion* 2010;50:1249-56.
16. Edgren G, Bagnardi V, Bellocco R, et al. Pattern of declining hemoglobin concentration prior to cancer diagnosis. *Int J Cancer* 2010;127:1429-36.
17. Edgren G, Kamper-Jørgensen M, Eloranta S, et al. Duration of red blood cell concentrate storage and survival of transfused patients. *Transfusion* 2010;50:1185-95.
18. Sandberg M, Hartman M, Edgren G, et al. Diagnostic work-up of contralateral breast cancers has not improved over calendar period. *Breast Cancer Res* 2010;122:889-895.
19. Edgren G, Hjalgrim H. Epidemiological considerations for the use of databases in transfusion research: a Scandinavian perspective. *Current Opinion in Hematology* 2010;17:596-601.
20. Edgren G, Hjalgrim H, Rostgaard K, et al. Risk of gastric cancer and peptic ulcers in relation to ABO blood type: a cohort study. *Am J Epidemiol* 2010;172:1280-85.
21. Fernberg P, Edgren G, Adami J, et al. Time trends in risk and risk determinants of non-hodgkin lymphoma in solid organ transplant recipients. *Am J Transplant* 2011;11:2472-2482.
22. Halmin M, Wikman A, Edgren G. TRALI - en förbisedd, potentiellt livshotande transfusionsreaktion - Behov av ökad kunskap hos svenska kliniker. *Läkartidningen* 2012;1:34-7.
23. Thur CK, Edgren G, Jansson KÅ, Wretenberg P. Epidemiology of adult ankle fractures in Sweden between 1987 and 2004 – A population based study of 91,410 Swedish inpatients. *Acta orthopædica*, 2012 in press.
24. Edgren G, Liang L, Adami HO, Chang E. Enigmatic sex disparities in cancer incidence. *European Journal of Epidemiology* 2012;37:187-96.
25. Norda R, Andersson TM, Edgren G, et al. The impact of plasma preparations and their storage time on short-term post transfusion mortality: A population-based study using the Scandinavian Donation and Transfusion database. *J Trauma Acute Care Surg* 2012;72:954-61.
26. Epstein M, Edgren G, Rider J, Mucci L, Adami HO. Temporal trends in cause of death among Swedish and US men with prostate cancer. *J Natl Cancer Inst* 2012;104:1335-1342.

27. Stäck P, Forsberg B, Högberg M, Werr J, Edgren G. Prediktion av akuta återinläggningar bland sjukhusvårdade patienter i Stockholms Läns Landsting. *Läkartidningen* 2012;109:2211-2215.
28. Krynitz B, Edgren G, Lindelöf B, *et al.* Risk of Skin Cancer and Other Malignancies in Kidney, Liver, Heart and Lung Transplant Recipients 1970 to 2008 – a Swedish Population-Based Study. *Int J Cancer* 2013;132:1429-1438.
29. Edgren G, Adami HO, Weiderpass E, Nyrén O. A global assessment of the oesophageal adenocarcinoma epidemic. *Gut* 2012;62:1406-14.
30. Pettersson A, Gordon M, Edgren G, Dickman P. Biostatistik i kliniska observationella studier: en introduktion. *Läkartidningen* 2013;110:470-474.
31. Reinius P, Johansson M, Fjellner A, Werr J, Öhlén G, Edgren G. A telephone based case management intervention reduces health care utilisation for frequent emergency department visitors. *Eur J Em Med* 2013;20:327-334.
32. Li J, Humphreys K, Eriksson L, Edgren G, Czene K, Hall P. Mammographic density reduction is a prognostic marker of response to adjuvant tamoxifen therapy in postmenopausal breast cancer patients. *J Clin Oncol* 2013;31:2249-56.
33. Halmin M, Boström F, Brattström O, Lundahl J, Wikman A, Östlund A, Edgren G. Effect of plasma to red cell ratios in trauma patients: a cohort study with time dependent data. *Crit Care Med* 2013;41:1905-14.
34. Edgren G, Lagiou P, Trichopoulos D, Adami HO. Screening, case finding or primary cancer prevention in the developing world? *European Journal of Epidemiology* 2013;28:287-90.
35. Ågren A, Wikman AT, Holmström M, Östlund A, Edgren G. Thromboelastography (TEG®) compared to conventional coagulation tests in surgical patients-a laboratory evaluation. *Scandinavian Journal of Clinical and Laboratory Investigation* 2013;73:214-20.
36. Brattström C, Granath F, Edgren G, Smedby KE, Wilczek HE. Overall and cause-specific mortality in transplant recipients with a pre-transplant cancer history. *Transplantation* 2013;96:297-305.
37. Edgren G, Almqvist R, Hartman M, Utter G. Splenectomy and the risk of sepsis: a population-based cohort study. *Ann Surg* 2013, in press.
38. Ågren A, Wikman AT, Östlund A, Edgren G. TEG® functional fibrinogen analysis may overestimate fibrinogen levels. *Anesthesia and Analgesia* 2013, in press.
39. Ågren A, Edgren G, Kardell M, Östlund A, Wikman AT. In vitro combinations of red blood cell, plasma and platelet components evaluated by thrombelastography. *Blood transfusion* 2013, in press.

Research support, ongoing

- 06/2012- SSMF-forskare (PI: Gustaf Edgren), Svenska Sällskapet för Medicinsk Forskning (SSMF).
Three year unrestricted research grant.
- 01/2012- 2011-30405 (PI: Gustaf Edgren), Vetenskapsrådet

Donor induced acute respiratory distress syndrome: a new threat to transfusion safety?

- 04/2011- SLS-177331 (PI: Martin Holzmann), Svenska Läkaresällskapet
Transfusioner vid hjärtkirurgi och risk för postoperativ njurskada, infektion och död? Role: Co-investigator.
- 01/2010- 20090710 (PI: Gustaf Edgren), Hjärt-Lungfonden
Clustering of acute respiratory distress syndrome to specific blood donors: a new threat to transfusion safety?
- 09/2008-12/2010 N01HB47174, Subcontract (PI: Gustaf Edgren) National Heart Lung and Blood Institute of the National Institutes of Health, USA.
Erythrocyte storage length and post-transfusion survival.
- 09/2008-06/2011 Svenska Sällskapet för Medicinsk Forskning (SSMF). (PI: Gustaf Edgren).
Post doctoral grant for the study of non-infectious complications to blood transfusions (Icke-infektiösa komplikationer vid blodtransfusion). Role: Primary investigator.
- 01/2008-12/2009 CAN2007/1071 (PI: Olof Nyrén) Svenska Cancerfonden.
Iron stores and cancer risk: A study among blood donors in Sweden and Denmark. Role: Co-investigator.
- 01/2008- 2007-7469 (PI: Olof Nyrén). Vetenskapsrådet
A population-based transfusion register for research on health of blood donors and transfusion recipients. Role: Co-investigator.

Awards

- 2010 Co-author of best article published in journal Vox Sanguinis in 2009.
Awarded by the International Society of Blood Transfusion in July, 2010
- 2008 Dimitris N Chorafas prize for best doctoral thesis at Karolinska Institutet by doctoral student age 30 or younger in 2007, awarded by the Dimitris N Chorafas' foundation in May 2008.
- 2007 Awarded the Askleipos prize for best scientific publication by a Swedish medical student in 2007, by the Swedish Medical Association.