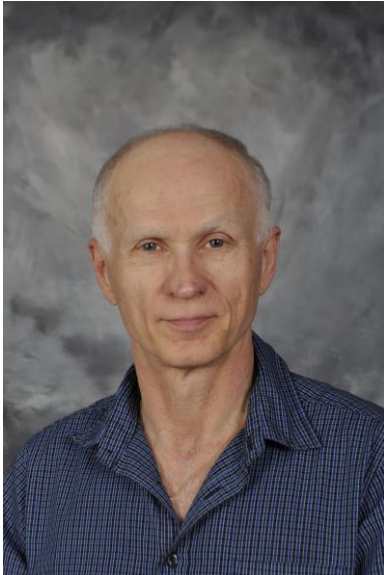


CURRICULUM VITAE



PERSONAL DETAILS

Name	Robert G. <u>Hahn</u> , (MD, PhD)
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Telephone	+46 73 9660972
E-mail	robert.hahn@sll.se, r.hahn@telia.com
Date of birth	March 14, 1954
Citizenship	Swedish
Marital status	Divorced Three children
Medical registration	Swedish Social Board of Health and Welfare MD 1982 Specialist in anesthesia and intensive care 1986

Current position

Director of Research and Development (R & D) in
Södertälje Hospital (80%).
Professor of Anesthesia and Intensive care,
Karolinska Institutet (20%).

Previous positions

1979-1993: anaesthetist at Huddinge Hospital
1993-1997: lektor at Karolinska Institute, Söder Hospital, in Stockholm.
1997-1998: bitr. professor at Karolinska Institute, Söder Hospital, in Stockholm.
1999-2006: professor at Karolinska Institute, Söder Hospital in Stockholm.

Ph. D. Programs for which I have been the main supervisor (all at Karolinska institute):

1. Holger Stalberg 1993.
2. Jan Ekengren 1993
3. Arne Löfgren, 1995.
4. Joel Olsson, 1995.
5. Anders Nilsson, 1996.
6. Christer Svensén, 1998.
7. Louis Riddez, 1998.
8. Dan Drobin, 2001.
9. Lars Sandfeldt, 2001.
10. Åke Norberg, 2001
11. Nils Pettersson, 2001.
12. Fredrik Sjöstrand, 2005
13. Carl-Arne Ewaldsson, 2006
14. Tim Fagerström 2012
15. Stefan Ljunggren 2014

Positions, administrative

1. Vice Chairman of the Board for Postgraduate studies, Karolinska institute, 1997-1998.
2. Chairman of the South Committee for Postgraduate Studies ("Forskarutbildningskommittée Syd") 1997-1998.
3. Vice Chairman of the Department of Anaesthesia, Söder Hospital, 1998-2000 .Vice Chairman (bitr. prefekt) at the Institutionen Söder hospital, Karolinska institute 1997-2002.
4. Dean of Postgraduate Studies at Söder Hospital 1997-2000, and 2002-2005.
5. Responsible ("ansvarig föreståndare") for the Animal Department at Söder Hospital 1997-2000, and 2002-2005.

Hahn has published approx. 275 articles in international scientific journals. Together with Abstracts and Educational Articles, the number is approx. 500. Edited two books about fluid therapy.

I. Original articles in international journals

1. Hildebrand C, Hahn R. Relations between myelin sheath thickness and axon size in spinal chord white matter of some vertebrate species. *J Neurol Sci* 1978; 38: 421-434.
2. Hahn R, Berlin T, Lewenhaupt A. Rapid massive irrigating fluid absorption during transurethral resection of the prostate. *Acta Chir Scand* 1986; suppl 530: 63-65.
3. Hahn RG. Influence of variations in blood haemoglobin concentration on the calculation of blood loss and volumetric irrigating fluid balance during transurethral resection of the prostate. *Br J Anaesth* 1987; 59: 1223-1229.
4. Hahn RG. A haemoglobin dilution method (HDM) for estimation of blood volume variations during transurethral prostatic surgery. *Acta Anaesthesiol Scand* 1987; 31: 572-578.
5. Hahn RG, Berlin T, Lewenhaupt A. Factors influencing the osmolality and the concentrations of blood haemoglobin and electrolytes during transurethral resection of the prostate. *Acta Anaesthesiol Scand* 1987; 31: 601-607.
6. Hahn RG. Decrease in serum potassium concentration during epidural anaesthesia. *Acta Anaesthesiol Scand* 1987; 31: 680-683.
7. Hahn RG. Relations between irrigant absorption rate and hyponatraemia during transurethral resection of the prostate. *Acta Anaesthesiol Scand* 1988; 32: 53-60.
8. Hahn R, Berlin T, Lewenhaupt A. Irrigating fluid absorption and blood loss during transurethral resection of the prostate studied by a regular interval monitoring (RIM) method. *Scand J Urol Nephrol* 1988; 22: 23-30.
9. Hahn RG. Ethanol monitoring of irrigating fluid absorption in transurethral prostatic surgery. *Anesthesiology* 1988; 68: 867-873.
10. Hahn R, Berlin T, Johansson H, Lewenhaupt A. Changes in intravesical pressure during irrigating fluid absorption in transurethral prostatic surgery. *Urol Res* 1988; 16: 281-285.
11. Hahn RG. Serum amino acid patterns and toxicity symptoms following the absorption of irrigant containing glycine in transurethral prostatic surgery. *Acta Anaesthesiol Scand* 1988; 32: 493-501.
12. Hahn RG. Hallucination and visual disturbances during transurethral prostatic resection. *Intensive Care Med* 1988; 14: 668-671.
13. Hahn RG. Blood volume during transurethral prostatic resection. *Acta Anaesthesiol Scand* 1988; 32: 629-637.
14. Hahn RG. Early detection of the TUR syndrome by marking the irrigating fluid with 1% ethanol. *Acta Anaesthesiol Scand* 1989; 33: 146-151.

15. Hahn R, Mjöberg M. Immediate detection of irrigant absorption during transurethral prostatectomy. *Can J Anaesth* 1989; 36: 86-88.
16. Hahn RG. Dilution of blood proteins from irrigant absorption during transurethral prostatectomy. *Scand J Urol Nephrol* 1989; 23: 97-102.
17. Hultén JO, Hahn RG. Monitoring irrigating fluid absorption during transurethral resection of the prostate (TURP): a comparison between 1 and 2% ethanol as a tracer. *Scand J Urol Nephrol* 1989; 23: 103-108.
18. Hahn RG. Estimating allowable blood loss with correction for variations in blood volume. *Acta Anaesthesiol Scand* 1989; 33: 508-512.
19. Hahn RG, Rundgren M. Vasopressin responses during transurethral resection of the prostate. *Br J Anaesth* 1989; 63: 330-336.
20. Hahn RG, Rundgren M. Vasopressin and amino acid concentrations in serum following absorption of irrigating fluid containing glycine and ethanol. *Br J Anaesth* 1989; 63: 337-339.
21. Hahn RG. Glycine irrigation and urinary oxalate excretion. *Br J Urol* 1989; 64: 287-289.
22. Hahn R, Hjelmqvist H, Rundgren M. Effects of isosmotic and hyperosmotic glycine solutions on the fluid balance in conscious sheep. *Prostate* 1989; 15: 71-80.
23. Hahn RG, Stalberg HP, Gustafsson SA. Intravenous infusion of irrigating fluids containing glycine or mannitol with and without ethanol. *J Urol* 1989; 142: 1102-1105.
24. Hahn RG. Acid phosphatase levels in serum during transurethral prostatectomy. *Br J Urol* 1989; 64: 500-503.
25. Hahn RG. Influence of the fluid balance on the cortisol and glucose responses to transurethral prostatic resection. *Acta Anaesthesiol Scand* 1989; 33: 638-641.
26. Hahn R, Algotsson L-Å, Törnebrandt K. Comparison of ethanol absorption during continuous and intermittent flow irrigation in transurethral resection. *Scand J Urol Nephrol* 1990; 24: 27-30.
27. Hahn RG. Fluid and electrolyte dynamics during development of the TURP syndrome. *Br J Urol* 1990; 66: 79-84.
28. Hahn RG. Prevention of the TUR syndrome by detection of trace ethanol in the expired breath. *Anaesthesia* 1990; 45: 577-581.
29. Jones AW, Hahn RG, Stalberg HP. Distribution of ethanol and water between plasma and whole-blood; inter- and intra-subject variations after administration of ethanol by intravenous infusion. *Scand J Clin Lab Invest* 1990; 50: 775-780.
30. Löfgren A, Hahn RG. Serum potassium levels after induction of epidural anaesthesia using mepivacaine with and without adrenaline. *Acta Anaesthesiol Scand* 1991; 35: 170-174.
31. Hahn RG. Blood ammonia concentrations resulting from absorption of irrigating fluid containing glycine and ethanol in transurethral resection of the prostate. *Scand J Urol Nephrol* 1991; 25: 115-119.

32. Hahn RG, Stalberg HP, Gustafsson SA. Vasopressin and cortisol levels in response to glycine infusion. *Scand J Urol Nephrol* 1991; 25: 121-123.
33. Hahn RG, Jones AW, Billing B, Stalberg HP. Expired-breath ethanol measurement in chronic obstructive pulmonary disease: implications for transurethral surgery. *Acta Anaesthesiol Scand* 1991; 35: 393-397.
34. Hahn RG. Dilutional hyponatraemia following transurethral operation for clot retention. *Br J Anaesth* 1991; 67: 339-340.
35. Hahn RG. Calculation of irrigant absorption by measurement of breath alcohol level during transurethral resection of the prostate. *Br J Urol* 1991; 68: 390-393.
36. Hahn RG, Stalberg HP, Ekengren J, Rundgren M. Effects of 1.5% glycine solution with and without ethanol on the fluid balance in elderly men. *Acta Anaesthesiol Scand* 1991; 35: 725-730.
37. Jones AW, Hahn RG, Stalberg HP. Determination of total body water by ethanol dilution: importance of concentration units used in the calculations. *Clin Sci* 1991; 81: 701-702.
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39. Hahn RG. Acid-base status following glycine absorption in transurethral surgery. *Eur J Anaesth* 1992; 9: 1-5.
40. Hahn RG. Haemoglobin dilution from epidural-induced hypotension with and without fluid loading. *Acta Anaesthesiol Scand* 1992; 36: 241-244.
41. Jones AW, Hahn RG, Stalberg HP. Pharmacokinetics of ethanol in plasma and whole blood: estimation of total body water by the dilution principle. *Eur J Clin Pharmacol* 1992; 42: 445-448.
42. Hahn RG, Jones AW, Norberg Å. Abnormal blood-ethanol profile associated with stress. *Clin Chem* 1992; 38: 1193-1194.
43. Löfgren A, Hahn RG. Serum potassium, catecholamine levels and ECG during field block for inguinal hernia surgery. *Acta Anaesthesiol Scand* 1992; 36: 577-582.
44. Hahn R, Essén P, Wernerman J. Amino acid concentrations in plasma and skeletal muscle after transurethral resection syndrome. *Scand J Urol Nephrol* 1992; 26: 235-239.
45. Hahn RG. Amino acid concentrations in serum and urine after intravenous infusion of 1.5% glycine in prostatectomy patients. *Prostate* 1992; 21: 173-181.
46. Stalberg HP, Hahn RG, Jones AW. Ethanol monitoring of transurethral prostatic resection during inhaled anesthesia. *Anesth Analg* 1992; 75: 983-988.
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48. Hahn RG, Ekengren J. Patterns of irrigating fluid absorption during transurethral resection of the prostate as indicated by ethanol. *J Urol* 1993; 149: 502-506.

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61. Ekengren J, Hahn RG. Blood loss during transurethral resection of the prostate as measured with the HemoCue photometer. *Scand J Urol Nephrol* 1993; 27: 501-507.
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66. Nilsson A, Hahn RG. Mental status after transurethral resection of the prostate. *Eur Urol* 1994; 26: 1-5.

67. Löfgren A, Hahn RG. Hypokalemia from intercostal nerve block. *Region Anesth* 1994; 19: 247-254.
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69. Hahn R, Essén P. Blood coagulation status after transurethral resection of the prostate. *Scand J Urol Nephrol* 1994; 28: 385-390.
70. Hahn RG, Norberg Å, Jones AW. Rate of distribution of ethanol into the total body water. *Am J Therapeut* 1995; 2: 50-56.
71. Ekengren J, Zhang W, Hahn RG. Effects of bladder capacity and height of fluid bag on the intravesical pressure during transurethral resection of the prostate. *Eur Urol* 1995; 27: 26-30.
72. Hahn RG. Transurethral resection syndrome after transurethral resection of bladder tumours. *Can J Anaesth* 1995; 42: 69-72.
73. Hahn R, Andersson T, Sikk M. Eye symptoms, visual evoked potentials and EEG during intravenous infusion of glycine. *Acta Anaesthesiol Scand* 1995; 39: 214-219.
74. Olsson J, Hahn RG. Ethanol monitoring of irrigating fluid absorption in transcervical resection of the endometrium. *Acta Anaesthesiol Scand* 1995; 39: 252-258.
75. Hahn RG, Larsson H, Ribbe T. Continuous monitoring of fluid absorption in transurethral surgery. *Anaesthesia* 1995; 50: 327-331.
76. Zhang W, Hahn RG. Diuretic effects of irrigating fluids containing mannitol and sorbitol. *Scand J Urol Nephrol* 1995; 29: 27-31.
77. Zhang W, Hahn RG, You G, Xu Z. Ultrastructural changes following overhydration with irrigating fluids. *Int Urol Nephrol* 1995; 27: 167-172.
78. Olsson J, Nilsson A, Hahn RG. Symptoms of the transurethral resection syndrome using glycine as the irrigant. *J Urol* 1995; 154: 123-128.
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80. Zhang WB, Hahn RG. Water and solute dynamics after intravenous infusion of new irrigating fluids in the rabbit. *Scand J Urol Nephrol* 1995; 29: 241-247.
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83. Drobin D, Hahn RG. Leukocytosis after fluid loading and induction of epidural anaesthesia. *J Anesth* 1995; 9: 235-238.

84. Zhang W, Andersson B, Hahn RG. Effect of irrigating fluids and prostatic tissue extracts on isolated cardiomyocytes. *Urology* 1995; 46: 821-824.
85. Ekengren J, Connor P, Lindholm M, Hahn RG. Fluid absorption during transurethral bladder surgery. *Scand J Urol Nephrol* 1995; 29: 519-520.
86. Norberg Å, Jones AW, Hahn RG. Pharmacokinetics of ethanol in arterial and venous blood and in end-expired breath during vasoconstriction and vasodilatation. *Am J Therapeut* 1995; 2: 954-961.
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88. Hahn RG, Nilsson A, Farahmand B, Ekengren J, Persson P-G. Operative factors and the long-term risk of acute myocardial infarction after transurethral resection of the prostate. *Epidemiology* 1996; 6: 93-95.
89. Zhang WB, Ekengren J, Hahn RG. Large-sized bladders reduce intravesical pressure and fluid absorption during TURP using the suprapubic trocar. *Urol Int* 1996; 56: 28-32.
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91. Zhang W, Hahn RG. "Double toxicity" of glycine solution in the mouse. *Br J Urol* 1996; 77: 203-206.
92. Nilsson A, Jogestrand T, Ekengren J, Hahn RG. Femoral vein blood flow during transurethral resection of the prostate. *Br J Urol* 1996; 77: 207-211.
93. Hahn RG, Nennesmo I, Rajs J, Sundelin B, Wroblewski R, Zhang W. Morphological and X-ray microanalytical changes in mammalian tissue after overhydration with irrigating fluids. *Eur Urol* 1996; 29: 355-361.
94. Nilsson A, Randmaa I, Hahn RG. Haemodynamic effects of irrigating fluids studied by Doppler ultrasonography in volunteers. *Br J Urol* 1996; 77: 541-546.
95. Hahn R, Olsson J, Englund K, Seppälä M. Serum levels of endometrial proteins during transcervical resection of the endometrium. *Br J Obstet Gynaecol* 1996; 103: 442-445.
96. Olsson J, Hahn RG. Survival after high-dose intravenous infusion of irrigating fluids in the mouse. *Urology* 1996; 47: 689-692.
97. Olsson J, Berglund L, Hahn RG. Irrigating fluid absorption from the intact uterus. *Br J Obstet Gynaecol* 1996; 103: 558-561.
98. Hahn RG, Nilsson A, Hjelmqvist H, Zhang W, Rundgren M. Renal function during intravenous infusion of urological irrigating fluids in the sheep. *Acta Anaesthesiol Scand* 1996; 40: 671-678.
99. Olsson J, Berglund L, Hahn RG. Early detection of the 'endometrial resection syndrome'. *Gynecol Obstet Invest* 1996; 103: 558-561.
100. Drobin D, Hahn RG. Time course of increased haemodilution in hypotension induced by extradural anaesthesia. *Br J Anaesth* 1996; 77: 223-226.

101. Hahn RG. Dextran 70 and the blood loss during transurethral resection of the prostate. *Acta Anaesthesiol Scand* 1996; 40: 820-824.
102. Ekengren J, Hahn RG. Complications during transurethral vaporization of the prostate. *Urology* 1996; 48: 424-427.
103. Hahn RG, Olsson J. Ethanol monitoring of the transurethral resection syndrome. *J Clin Anesth* 1996; 8: 652-655.
104. Hahn RG. Total fluid balance during transurethral resection of the prostate. *Int Urol Nephrol* 1996; 28: 665-671.
105. Hahn RG, Zhang W, Rajs J. Pathology of the heart after overhydration with glycine solution in the mouse. *APMIS* 1996;104: 915-920.
106. Ståhle L, Nilsson A, Hahn RG. Modelling the volume of expandable body fluid spaces during i.v. fluid therapy. *Br J Anaesth* 1997; 78: 138-143.
107. Hahn RG, Drobin D, Ståhle L. Volume kinetics of Ringer's solution in female volunteers. *Br J Anaesth* 1997; 78: 144-148.
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109. Hahn RG, Nilsson A, Farahmand BY, Persson P-G. Blood haemoglobin and the long-term incidence of acute myocardial infarction after transurethral resection of the prostate. *Eur Urol* 1997; 31: 199-203.
110. Hahn RG, Shemais H, Essén P. Glycine 1.0% versus glycine 1.5% as irrigating fluid during transurethral resection of the prostate. *Br J Urol* 1997; 79: 394-400.
111. Olsson J, Sandfeldt L, Hahn RG. Survival after high-dose intraperitoneal infusion of glycine solution in the mouse. *Scand J Urol Nephrol* 1997; 31: 119-121.
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