

10. Literaturverzeichnis

1. Ali AM, McAvoy AT, Ali MAM, Goldsmith CH, Blajchman MA. An approach to determine objectively minimum hemoglobin standards for blood donors. *Transfusion* 1985;25:286-288
2. Ali AM, Goldsmith CH, McAvoy AT, Ali MAM, Blajchman MA. A prospective study evaluating the lowering of hemoglobin standards for blood donors. *Transfusion* 1989;29:268-272
3. Alvarez-Ossorio L, Kirchner H, Klüter H, Schlenke P. Low ferritin levels indicate the need for iron supplementation: strategy to minimize iron-depletion in regular blood donors. *Transfusion Med* 2000;10:107-112
4. Alvarez-Ossorio L, Schlenke P. Correspondence to „Low ferritin levels indicate the need for iron supplementation: Strategy to minimize iron-depletion in regular blood donors“. *Transfusion Med* 2001;11:59-60
5. Ascherio A, Rimm EB, Giovannucci E, Willett WC, Stampfer MJ. Blood donations and risk of coronary heart disease in men. *Circulation* 2001;103:52-57
6. Avoy DR, Canuel ML, Otton BM, Mileski EB. Hemoglobin screening in prospective blood donors: a comparison of methods. *Transfusion* 1977;17:261-264
7. Axelrod FB, Catton P, Beeler SA. A comparison of post donation reaction in 2 unit automated red cell apheresis collection using the Haemonetics MCS+ with 1 unit manual whole blood collection in autologous donors. *Transfusion* 1995;35 Suppl:65S
8. Bäumler H, Radtke H, Franz B, Tofote U, Pawlow I, Kiesewetter H. Comparative investigations of quality of erythrocyte concentrates in preservation media SAG-M, PAGGS-M and Adsol without and with leukocyte depletion. *Beitr Infusionsther Transfusionsmed* 1997;34:58-62

9. Bianco C, Brittenham G, Gilcher RO, Gordeuk VR, Kushner JP, Sayers M, Chambers L, Counts RB, Aylesworth C, Nemo G, Alving B. Maintaining iron balance in women blood donors of childbearing age: summary of a workshop. *Transfusion* 2002;42:798-805
10. Bier-Ulrich AM, Haubelt H, Anders C, Nagel D, Schneider S, Siegler KE, Seiler D, Hellstern P. The impact of intensive serial plasmapheresis and iron supplementation on iron metabolism and Hb concentration in menstruating women: A prospective randomized placebo-controlled double-blind study. *Transfusion* 2003;43:405-410
11. Birgegard G, Högman C, Killander A, Wide L. Serum ferritin levels in male blood donors. *Vox Sang* 1978;34:65-70
12. Birgegard G, Högman C, Johansson A, Killander A, Simonsson B, Wide L. Serum ferritin in the regulation of iron therapy in blood donors. *Vox Sang* 1980;38:29-35
13. Bland JM, Altman DG. Statistical methods for assessing agreement between two methods of clinical measurement. *Lancet* 1986;327 (8476):307-310
14. Boulton FE, Nightingale MJ, Reynolds W. Improved strategy for screening prospective blood donors for anaemia. *Transfusion Med.* 1994;4:221-225
15. Boulton F, Collis D, Inskip H, Paes H, Garlick M. A study of the iron and HFE status of blood donors, including a group who failed the initial screen for anaemia. *Br J Haematol* 2000;108:434-439
16. Boulton F. Managing donors and iron deficiency. *Vox Sang* 2004; 87 Suppl 2:S22-S24
17. Bravo J, Hsueh Y, Gordeuk V, Querin J, Brittenham G, Keating L. Second fingerstick: a simple method to increase the blood supply. *Transfusion* 1990;30:474-476
18. Brise H, Hallberg L. Iron absorption studies II. Effect of ascorbic acid on iron absorption. *Acta Med Scand* 1962;171 Suppl 376:51-58

19. Brittenham GM, Gordeuk VR, Bravo JR, Hirschler NV, Piliavin JA, Goormastic M, Keating LJ. Carbonyl iron supplementation for female blood donors. *Blood* 1996; 80 Suppl 1 Pt 2:89b
20. Brugnara C. Use of reticulocyte cellular indices in the diagnosis and treatment of hematological disorders. *Int J Clin Lab Res* 1998;28:1-11
21. Brugnara C. Reticulocyte cellular indices: A new approach in the diagnosis of anemias and monitoring of erythropoietic function. *Crit Rev Clin Lab Sci* 2000;37:93-130
22. Cable RG, Morse EE, Keltonic J, Kakaiya R, Kiraly T. Iron supplementation in female blood donors deferred by copper sulfate screening. *Transfusion* 1988;28:422-426
23. Cable RG. Hemoglobin determination in blood donors. *Transfusion Med Rev* 1995;9:131-144
24. Cable RG. Hb screening of blood donors: how close is close enough? *Transfusion* 2003;43:306-308
25. Chambers LA, McGuff JM. Evaluation of methods and protocols for hemoglobin screening of prospective whole blood donors. *Am J Clin Pathol* 1989;91:309-312
26. Chen PP, Short TG, Leung DHY, Oh TE. A clinical evaluation of the HemoCue haemoglobinometer using capillary, venous and arterial samples. *Anaesth Intens Care* 1992;20:497-503
27. Coburn TJ, Miller WV, Parrill WD. Unacceptable variability of hemoglobin estimation on samples obtained from ear punctures. *Transfusion* 1977;17:265-268
28. Conway AM, Hinchliffe RF, Earland J, Anderson LM. Measurement of haemoglobin using single drops of skin puncture blood: Is precision acceptable? *J Clin Pathol* 1998;51:248-250

29. Cook, JD, Finch CA, Smith NJ. Evaluation of the iron status of a population. *Blood* 1976;48:449-455
30. Cook JD, Skikne BS. Iron deficiency: definition and diagnosis. *J Int Med* 1989;226:349-355
31. Cook JD, Flowers CH, Skikne BS. The quantitative assessment of body iron. *Blood* 2003;101:3359-3364
32. Daae LNW, Halvorsen S, Mathisen PM, Mironksa K. A comparison between haematological parameters in 'capillary' and venous blood from healthy adults. *Scand J Clin Lab Invest* 1988;48:723-726
33. Devasthali SD, Gordeuk VR, Brittenham GM, Bravo JR, Hughes MA, Keating LJ. Bioavailability of carbonyl iron: A randomized, double-blind study. *Eur J Haematol* 1991;46:272-278
34. Finch CA, Cook JD, Labbe RF, Culala M. Effect of blood donation on iron stores as evaluated by serum ferritin. *Blood* 1977;50:441-447
35. Garry PJ, VanderJagt DJ, Wayne SJ, Koehler KH, Rhyne RL, Simon TL. A prospective study of blood donations in healthy elderly persons. *Transfusion* 1991;31:686-692
36. Gillon J, Wye A, Walker B, Phillips P. Natural history of haemoglobin levels in female blood donors with haemoglobin levels of 120-124 g/l at presentation. *Vox Sang* 2000;78:225-230
37. Gordeuk VR, Brittenham GM, Hughes MA, Keating LJ. Carbonyl iron for short-term supplementation in female blood donors. *Transfusion* 1987;27:80-85
38. Gordeuk VR, Brittenham GM, Bravo J, Hughes MA, Keating LJ. Prevention of iron deficiency with carbonyl iron in female blood donors. *Transfusion* 1990;30:239-245

39. Graiter PL, Goldsby JB, Nichaman MZ. Hemoglobins and hematocrits: are they equally sensitive in detecting anemias? Am J Clin Nutr 1981;34:61-64
40. Haas JD, Brownlie IV T. Iron deficiency and reduced work capacity: a critical review of the research to determine a causal relationship. J Nutr 2001;131 Suppl:676S-690S
41. Harju E. Clinical pharmacokinetics of iron preparations. Clin Pharmacokinet 1989;17:69-89
42. Hastka J, Lasserre JJ, Schwarzbeck A, Strauch M, Hehlmann R. Washing erythrocytes to remove interferents in measurements of zinc protoporphyrin by front-face hematofluorometry. Clin Chem 1992;38:2184-2189
43. Heinrich HC. Bioverfügbarkeit und therapeutische Wirksamkeit oraler Eisen(II)- und -(III)präparate. Schweiz. Apotheker-Zeitung 1986;124:1231-1256
44. Höglér W, Mayer W, Messmer C, Eibl G, Innerhofer P, Schönitzer D, Nussbaumer W. Prolonged iron depletion after allogeneic 2-unit RBC apheresis. Transfusion 2001;41:602-605
45. Holme S, Elfath MD, Whitley P. Evaluation of in vivo and in vitro quality of apheresis-collected RBC stored for 42 days. Vox Sang 1998;75:212-217
46. Jackson HA, Carter K, Darke C, Guttridge MG, Ravine D, Hutton RD, Napier JA, Worwood M. HFE mutations, iron deficiency and overload in 10500 blood donors. Br J Haematol 2001;114:474-484
47. Jaime JC, Cazarez R, Mares MA, Marfil LJ, Harrison CR. Iron stores in remunerated blood donors as evaluated by plasma ferritin levels. Transfusion 1988;28:62-65
48. Kaltwasser JP, Werner E, Seidl S. Eisenmangel durch Blutspenden? Die Beurteilung der Eisenreserven bei Dauerblutspendern mit Hilfe des Serumferritins. Verh Deutsch Ges Inn Med 1978;84:117-120

49. Kiesewetter H, Lazar H, Radtke H, Thielen W. Hämatokritbestimmung durch Impedanzmessung. Biomed Tech 1982;27:171-175
50. Knekt P, Reunanen A, Takkunen H, Aromaa A, Heliövaara M, Hakulinen T. Body iron stores and risk of cancer. Int J Cancer 1994;56:379-382
51. Kotisaari S, Romppanen J, Penttilä I, Punnonen K. The Advia 120 red blood cell and reticulocyte indices are useful in diagnosis of iron-deficiency anemia. Eur J Haematol 2002;68:150-156
52. Lestin HG, Thiele HJ. Hämoglobin- und Hämatokritbefunde aus Venen- und Ohrkapillarblut im ärztlichen Entscheidungsfeld. Deutsch Ges Wesen 1976;31:225-229
53. Lieden G. Iron supplement to blood donors. I. Trials with intermittent iron supply. Acta Med Scand 1975;197:31-36
54. Lieden G, Höglund, S, Ehn L. Iron supplement to blood donors. II. Effect of continuous iron supply. Acta Med Scan 1975;197:37-41
55. Mackintosh W, Jacobs P. Response in serum ferritin and haemoglobin to iron therapy in blood donors. Am J Hematol 1988;27:17-19
56. Magnusson B, Sölvell L, Arvidsson B, Siösteen C. Iron absorption during iron supplementation in blood donors. Scand J Haematol 1975;14:337-346
57. Magnusson B, Björn-Rasmussen E, Hallberg L, Rossander L. Iron Absorption in relation to iron status. Scand J Haematol 1981;27:201-208
58. McLeod BC, Price TH, Owen H, Ciavarella D, Sniecinski I, Randels MJ, Smith JW. Frequency of immediate adverse effects associated with apheresis donation. Transfusion 1998;38:938-943
59. McNeil D, Elfath M, Whitley P, Sawyer S. Donor red cell volume recovery after double red cell unit donation and single whole blood donation. Transfusion 1997;37 Suppl:77S

60. Merk K, Mattsson B, Mattsson A, Holm G, Gullbring B, Bjorkholm M. The incidence of cancer among blood donors. *Int J Epidemiol* 1990;19:505-509
61. Meyers DG, Strickland D, Maloley PA, Seburg JJ, Wilson JE, McManus BF. Possible association of a reduction in cardiovascular events with blood donation. *Heart* 1997;78:188-193
62. Meyers DG. The iron hypothesis: does iron play a role in atherosclerosis? *Transfusion* 2000;40:1023-1029
63. Meyers DG, Jensen KC, Menitove JE. A historical cohort study of the effect of lowering body iron through blood donation on incident cardiac events. *Transfusion* 2002;42:1135-1139
64. Milman N, Sondergaard M. Iron stores in male blood donors evaluated by serum ferritin. *Transfusion* 1984;24:464-468
65. Milman N, Sondergaard M, Mygind Sorensen C. Iron stores in female blood donors evaluated by serum ferritin. *Blut* 1985;51:337-345
66. Milman N, Kirchhoff M. Influence of blood donation on iron stores assessed by serum ferritin and haemoglobin in a population survey of 1433 Danish males. *Eur J Haematol* 1991;47:134-139
67. Milman N, Kirchhoff M. The influence of blood donation on iron stores assessed by serum ferritin and hemoglobin in a population survey of 1359 Danish women. *Ann Hematol* 1991;63:27-32
68. Milman N. Serum ferritin in Danes: studies of iron status from infancy to old age, during blood donation and pregnancy. *Int J Hematol* 1996;63:103-135
69. Monsen ER, Critchlow CW, Finch CA, Donohue DM. Iron balance in superdonors. *Transfusion* 1983;23:221-225

70. Morse EE, Cable R, Pisciotto P, Kakaiya R, Kiraly T. Evaluation of iron status in women identified by copper sulfate screening as ineligible to donate blood. *Transfusion* 1987;27:238-241
71. Nelson RL. Iron and colorectal cancer risk: human studies. *Nutr Rev* 2001;59:140-148
72. Patruta SI, Hörl WH. Iron and infection. *Kidney Int* 1999;69 Suppl:S125-S130
73. Perkins HA, Torg B. Standards for rejection of blood donors: a comparison of CuSO₄ specific gravity, microhematocrit, and electronic hematocrit values with hemoglobin values by the cyanmethemoglobin technic. *Transfusion* 1962;2:392-397
74. Pi DW, Krikler SH, Sparling TG, Carter CJ, Wadsworth LD. Reappraisal of optimal hemoglobin standards for female blood donors in Canada. *Transfusion* 1994;34:7-10
75. Ponka P. Cellular iron metabolism. *Kidney Int* 1999;55 Suppl 69:S2-S11
76. Punnonen K, Irjala K, Rajamäki A. Serum transferrin receptor and its ratio to serum ferritin in the diagnosis of iron deficiency. *Blood* 1997;89: 1052-1057
77. Punnonen K, Rajamäki A. Evaluation of iron status of Finnish blood donors using serum transferrin receptor. *Transfus Med* 1999;9:131-134
78. Radtke H, Mayer B, Röcker L, Salama A, Kiesewetter H. Iron supplementation and two-unit red cell apheresis: A randomized, double-blind, placebo-controlled study. *Transfusion* 2004;44:1463-1467
79. Radtke H, Tegtmeier J, Röcker L, Salama A, Kiesewetter H. Daily doses of 20 mg of elemental iron compensate for iron loss in regular blood donors: A randomized, double-blind, placebo-controlled study. *Transfusion* 2004;44:1427-1432

80. Radtke H, Meyer T, Kalus U, Röcker L, Salama A, Kiesewetter H, Latza R. Rapid identification of iron deficiency in blood donors using red cell indices provided by Advia 120. *Transfusion* 2005;45:5-10
81. Salonen JT, Tuomainen TP, Salonen R, Lakka TA, Nyyssönen K. Donation of blood is associated with reduced risk of myocardial infarction. *Am J Epidemiol* 1998;148:445-451
82. Sayers MH, de Marsh QB. Is the deferred donor with a low hematocrit a candidate for iron supplementation? *Transfusion* 1981;21:634
83. Schifman RB, Rivers SL, Finley PR, Thies C. RBC zinc protoporphyrin to screen blood donors for iron deficiency anemia. *JAMA* 1982;248:2012-2015
84. Schmidt AL, Randels J, Wieland M, Strauss RG. Collection of two unit autologous or allogeneic red blood cells by apheresis using Haemonetics MCS+. *J Clin Apheresis* 1997;12:41
85. Scott E, Gilcher RO, Bemiller LS, Beeler SA, McFarland J, Axelrod FB. Apheresis collection of 2 units of allogeneic red cells: Intra- and post-donation events. *Transfusion* 1997;37 Suppl:67S
86. Selby JV, Friedman GD. Epidemiologic evidence of an association between body iron stores and risk of cancer. *Int J Cancer* 1988;41:677-682
87. Sempos CT. Do body iron stores increase the risk of developing coronary heart disease? *Am J Clin Nutr* 2002;76:501-503
88. Sherman LA, Lippmann MB, Ahmed P, Buchholz DH. Effect on cardiovascular function and iron metabolism of the acute removal of 2 units of red cells. *Transfusion* 1994;34:573-577
89. Shi PA, Ness PM. Two-unit red cell apheresis and its potential advantages over traditional whole-blood donation. *Transfusion* 1999;39:218-225

90. Simon TL, Garry PJ, Hooper EM. Iron stores in blood donors. *JAMA* 1981;245:2038-2043
91. Simon TL, Hunt WC, Garry PJ. Iron supplementation for menstruating female blood donors. *Transfusion* 1984;24:469-472
92. Simon TL. Iron, iron everywhere but not enough to donate. *Transfusion* 2002;42:664-665
93. Skikne B, Lynch S, Borek D, Cook J. Iron and blood donation. *Clin Haematol* 1984;13:271-287
94. Skikne BS, Flowers CH, Cook JD. Serum transferrin receptor: a quantitative measure of tissue iron deficiency. *Blood* 1990;75:1870-1876
95. Smith KJ, McDonough W, Belisle, D. RBC storage characteristics and donor tolerance of automated double unit RBC collection. *Transfusion* 1993;33 Suppl,71S
96. Smith KJ, James DS, Hunt WC, McDonough W, Quintana R. A randomized, double-blind comparison of donor tolerance of 400 mL, 200 mL, and sham red cell donation. *Transfusion* 1996;36:674-680
97. Stevens RG, Jones DY, Micozzi MS, Taylor PR. Body iron stores and the risk of cancer. *N Eng J Med* 1988;319:1047-1052
98. Stevens RG, Graubard BI, Micozzi MS, Neriishi K, Blumberg BS. Moderate elevation of body iron level and increased risk of cancer occurrence and death. *Int J Cancer* 1994;56:364-369
99. Streiner DL. Unicorns do exist: A tutorial on “proving” the null hypothesis. *Can J Psychiatry* 2003;48:756-761

100. Sullivan JL. Iron and the sex difference in heart disease risk. *Lancet* 1981;1 (8233):1293-1294
101. Suominen P, Punnonen K, Rajamäki A, Irjala K. Serum transferrin receptor and transferrin receptor-ferritin index identify healthy subjects with subclinical iron deficits. *Blood* 1998;92:2934-2939
102. Thomas C, Thomas L. Biochemical markers and hematologic indices in the diagnosis of functional iron deficiency. *Clin Chem* 2002;48:1066-1076
103. Tuomainen TP, Salonen R, Nyysönen K, Salonen JT. Cohort study of relation between donating blood and risk of myocardial infarction in 2682 men in eastern Finland. *BMJ* 1997;214:793-794
104. Twisk JWR. Applied longitudinal data analysis for epidemiology. Cambridge University Press, Cambridge 2003
105. van Jaarsveld H, Pool GF. Beneficial effects of blood donation on high density lipoprotein concentration and the oxidative potential of low density lipoprotein. *Atherosclerosis* 2002;161:395-402
106. Walter T, Olivares M, Pizarro F, Munoz C. Iron, anemia, and infection. *Nutr Rev* 1997;55:111-124
107. Weiss G. Eisen, Infektion und Anämie – eine klassische Triade. *Wien Klin Wochenschr* 2002;114:357-367
108. Weiss G. Iron and immunity: a double-edged sword. *Eur J Clin Invest* 2002;32 Suppl 1, 70-78
109. Wissenschaftlicher Beirat der Bundesärztekammer und Paul-Ehrlich-Institut: Richtlinien zur Gewinnung von Blut und Blutbestandteilen und zur Anwendung von Blutprodukten (Hämotherapie). *Bundesgesundheitsbl. Gesundheitsforsch. Gesundheitsschutz* 43, 555–589 (2000)

110. Wu T, Sempos CT, Freudenheim JL, Muti P, Smit E. Serum iron, copper and zinc concentrations and risk of cancer mortality in US adults. Ann Epidemiol 2004;14:195-201