

Diagnostik immunologisch bedingter Thrombozytopenien

- 1) Djulbegovic B, Cohe Y:
The natural history of refractory idiopathic thrombocytopenic purpura.
Blood; **98**: 2282-2283 (2001).
- 2) Cohen YC, Djulbegovic B, Shamaï-Lubovitz O, Mozes B:
The bleeding risk and natural history of idiopathic thrombocytopenic purpura in patients with persistent low platelet counts.
Arch Intern Med; **160**: 1630-1638 (2000).
- 3) Portielje JE, Westendorp RG, Kluin-Nelemans HC, Brand A.
Morbidity and mortality in adults with idiopathic thrombocytopenic purpura.
Blood; **97**: 2549-2554 (2001).
- 5) Matzdorff A, Giagounidis A, Müller-Beisenhirtz H.
Immunthrombozytopenie.
Leitlinie der DGHO (2010).
- 6) Barrett JC, Call SA, Arndt DW, Dudley KA, Mahan JA, Saleh MN.
Thrombocytopenia with platelet-associated IgM antibodies: patient characteristics and responsiveness to IPT therapy.
Blood; **92** (Suppl. 1): 82b (1998).
- 7) Kiefel V, Santoso S, Weisheit M.
Monoclonal antibody-specific immobilization of platelet antigens (MAIPA): a new tool for the identification of platelet reactive antibodies.
Blood; **70**: 1722-1726 (1987).
- 8) Meyer O, Agaylan A, Kiesewetter H, Salama A.
A novel antigen-specific capture assay for the detection of platelet antibodies and HPA-1a phenotyping.
Vox Sang; **91**: 324-330 (2006).
- 9) McFarland JG, Collins J, Aster RH, Moghaddam M, Bussel J.
Evaluation of a platelet glycoprotein (GP) specific assay in the diagnosis of autoimmune thrombocytopenia.
Blood; **94** (Suppl. 1): 15a (1999).
- 10) Lozano ML, Curtis BR, Hansen RM, Bayliss K, Petersen JA, Aster RH.
A GP IIb/IIIa-specific autoantibody from a patient with acquired megakaryocytic thrombocytopenia appears to be the first example of a human ligand mimetic immunoglobulin.
Blood; **92** (Suppl. 1): 175a (1998).
- 11) Olsson B, Andresson PO, Jernås M, Jacobsson S, Carlsson B, Carlsson LM, Wadenvik H.
T-cell-mediated cytotoxicity toward platelets in chronic idiopathic thrombocytopenic purpura.
Nat Med; **9**: 1123-1124 (2003).
- 12) Alimardani G, Guichard J, Fichelson S, Cramer EM.
Pathogenic effects of anti-glycoprotein Ib antibodies on megakaryocytes and platelets.
Thromb Haemost; **88**: 1039-1046 (2002).
- 13) Chang M, Nakagawa PA, Williams SA, Scharf MR, Imfeld KL, Buzby JS, Nugent DJ.
Immune thrombocytopenic purpura (ITP) plasma and purified ITP monoclonal autoantibodies inhibit megakaryocytopoiesis in vitro.
Blood; **102**: 887-895 (2003).
- 14) McMillan R, Wang L, Tomer A, Nichol J, Pistillo J.
Suppression of in vitro megakaryocyte production by antiplatelet autoantibodies from adult patients with chronic ITP.
Blood; **103**: 1364-1369 (2004).

- 15) Emmons RC, Reid DM, Cohen RL, Meng G, Young NS, Dunbar CE, Shulman NR:
Human thrombopoietin levels are high when thrombocytopenia is due to megakaryocyte deficiency and low when due to increased platelet destruction.
Blood; **87**: 4068-4071 (1996).
- 16) Nichol JL et al.
Stem Cells **16**: 165-175 (1998).
- 17) Kuter DJ et al.
Efficiency of romiplostim in patients with chronic immune thrombocytopenic purpura. A double-blind randomized control trial.
Lancet **371**: 395-403 (2008).
- 18) Semple JW.
ITP three R's: regulation, routing, rituximab.
Blood; **112**: 927-928 (2008).
- 19) Li X, Zhong J, Bao W, Bould N, Bussel JB, Yasdanbakhsh K.
Regulatory B Cell Defects In Patient With Immune Thrombocytopenia (ITP).
Blood; **116 (Suppl)**: 171, Abstr. # 379 (2010).
- 20) Dickerhoff R, Ebert W.
Immunthrombozytopenie im Kindes- und Jugendalter, Leitlinie (2011).
- 21) Salama A, Kiesewetter H, Kalus U, Movassaghi K, Meyer O:
Massive platelet transfusion is a rapidly effective emergency treatment in patients with refractory autoimmune thrombocytopenia.
Throm Haemost; **100**: 762-765 (2008).
- 22) Kickler T, Braine H, Piantados S, Ness PM, Herman JH, Rothko K. A.
randomized, placebo-controlled trial of tranvenous gammaglobulin in alloimmunized thrombocytopenic patients.
Blood; **75**: 313-316 (1990).
- 23) Lee EJ, Norris D, Schiffer CA.
Intravenous immune globulin for patients alloimmunized to random donor platelet transfusion.
Transfusion; **27**: 245-247 (1987).
- 26) Bussel, Kaplan C,
The fetal and neonatal consequences of maternal alloimmune thrombocytopenia.
Baillière's Clinical Haematology; **11**: 391-408 (1998).
- 28) Mueller-Eckhardt C, Förster C, Kayser W, Mueller-Eckhardt G, Frisch H, Grips M, Kachel W, Kobel H-F, von Kires R, Mutz I, Schönwetter M.
Alloimmunthrombozytopenie der Neugeborenen durch thrombozytenspezifische Antikörper (Anti-PIA1).
Deutsche Medizinische Wochenschrift; **107**, 216-219 (1982).
- 29) Mueller-Eckhardt C, Kiefel V, Grubert A, Kroll H, Weisheit M, Schmidt S, Mueller-Eckhardt G, Santoso S.
348 cases of suspected neonatal alloimmune thrombocytopenia.
Lancet; **I**, 363-366 (1989).
- 30) Williamson LM, Hackett G, Rennie J, Plamer CR, Maciver C, Hadfield R, Hughes D, Jobson S, Ouwehand WH.
The natural history of fetomaternal alloimmunization to the platelet-specific antigen HPA-1a (PIA1, Zwa) as determined by antenatal screening.
Blood; **92**, 2280-2287 (1998).
- 31) Kroll H, Kiefel V, Santoso S
Clinical aspects and typing of platelet alloantigens
VOX Sanguinis; **74 (suppl 2)**, 345-354 (1998).

- 36) Kroll H, Yates J, Santoso S.
Immunization against a low-frequency human platelet alloantigen in fetal alloimmune thrombocytopenia is not a single event: characterization by the combined use of reference DNA and novel allele-specific cell lines expressing recombinant antigens.
Transfusion; 45, 353-358 (2005).
- 38) Greinacher A, Amiral J, Dummel Vissac A, Kiefel V, Mueller-Eckhardt C.
Laboratory diagnosis of heparin-associated thrombocytopenia and comparison platelet aggregation test, heparin induced activation test and platelet factor 4/heparin enzyme-linked immunosorbent assay.
Transfusion; 34:381-385 (1994).
- 41) Kroll H, Kiefel V, Giers G, Bald R, Hoch J, Hanfland P, Hansmann M, Müller-Eckhardt C.
Maternal intravenous immunoglobulin treatment does not prevent intracranial haemorrhage in fetal alloimmune thrombocytopenia.
Transfusion Medicine; 4, 293-296 (1994).
- 42) Zalneraitis EL, Young RSK, Krishnamoorthy KS.
Intracranial hemorrhage in utero as a complication of isoimmune thrombocytopenia.
J Pediatr; 95, 611-614 (1979).
- 43) Kiefel V, Bassler D, Kroll H, Paes, Giers G, Ditomasso J, Alber H, Bers M, Wiebe B, Quenzel EM, Hoch J, Greinacher A.
Antigen-positive platelet transfusion in neonatal alloimmune thrombocytopenia (NAIT).
Blood; 107: 3761-3763 (2006).
- 44) Mueller-Eckhardt C, Kroll H, Kiefel V:
Posttransfusion purpura. In: Kaplan-Gouet C, editor. *Platelet immunology: fundamental and clinical aspects.*
John Libbey Eurotext 249-255 (1991).
- 45) Watkins NA, Smethurst PA, Allen D, Smith GA, Ouwehand WH:
Platelet alphaIIb-beta3 recombinant autoantibodies from the B-cell repertoire of a post-transfusion purpura patient.
Br J Haematol; 116: 677-685 (2002).
- 46) Kroll H, Kiefel V, Müller-Eckhardt C,
Posttransfusionelle purpura: klinische und immunologische Untersuchung bei 38 Patienten.
Infusionstherapie und Transfusionsmedizin; 20:198-204 (1993).
- 47) Kiefel.
Transfusionsmedizin und Immunhämatologie – Grundlagen, Therapie, Methodik, 4. Auflage; Springer Verlag Berlin (2010).
- 48) Mueller-Eckhardt C, Kiefel V:
High-dose IgG for post-transfusion purpura revisited.
Blut 57: 163-167 (1988).
- 49) Anderson D, Ali K, Blanchette C, et al.:
Guidelines on the use of intravenous immune globulins for hematologic conditions.
Transfus Med Rev; 21: 9-56 (2007).
- 50) Gerstner JB, Smith MJ, Davis KD, Cimo PL, Aster RH:
Posttransfusion purpura: therapeutic failure of P1A1-negative platelet transfusion.
Am Hematol; 6: 71-75 (1979).
- 51) Howard JE, Perkins HA.
The natural history of alloimmunization to platelets.
Transfusion; 18: 496-503 (1978).
- 52) Murphy MF, Waters AH.
Immunological aspects of platelet transfusions.
Br J Haematol; 60: 409-414 (1985).

- 53) Slichter SJ, Mechanisms and management of platelet refractoriness. In: Nance ST, editor, *Transfusion medicine in the 1990's*, Arlington. AABB; 95-179 (1990).
- 54) Heal JM, Masel D, Rowe JM, et al. Circulating immune complexes involving the ABO system after platelet transfusion. *Br J Haematol*; **85**: 566-572 (1993).
- 55) Schnaidt M, Norhoff H, Wernet D. Frequency and specificity of platelet-specific alloantibodies in HLA-immunized haematologic-oncologic disorders. *Transfus Med*; **6**: 111-114 (1996).
- 56) Delafior-Weiss E, Mintz PD. The evaluation and management of platelet refractoriness and alloimmunization. *Transfus Med. Rev*; **14**: 180-196 (2000).
- 57) Langenscheid F, Kiefel V, Santoso S, Mueller-Eckhardt C. Platelet transfusion refractoriness associated with two rare platelet-specific alloantibodies (Anti-Bak(a) and anti-Pl(A2)) and multiple HLA-antibodies. *Transfusions*; **28**: 597-600 (1988).
- 58) Kuwana M, Okazaki Y, Ikeda Y. Splenic macrophages maintain the anti-platelet autoimmune response via uptake of opsonized platelets in patients with immune thrombocytopenic purpura. *J Thromb Haemost*; **7**: 322-329 (2009).
- 59) Kiefel V, Santoso S. Alloantigene auf Thrombozyten. In Mueller-Eckhardt C, Kiefel V. *Transfusionsmedizin* Springerverlag Berlin, Heidelberg: 200 (2004).
- 60) Greinacher A, Bux J, Salama A. Autoimmune Thrombozytopenie, Neutropenie und Hämolyse. *Internist*; **50**: 276-290 (2009).
- 61) Sachs UJ, Bakchoul T, Bein G. Fetale und neonatale Alloimmunthrombozytopenie. *Transfusionsmedizin 2*: 77-89 (2010) modifiziert nach Kamphuis MM, Paridaans N, Porcelijn L et al. Screening in pregnancy for fetal or neonatal alloimmune thrombocytopenia: systematic review. *Biol*; **117**: 1335-1343 (2010).
- 62) Selleng K, Greinacher A. Intensivmedizin update 1 (2005).
- 63) Warkentin TE. Heparin-induced thrombocytopenia: Pathogenesis and management. *Br J Haematol*; **121**: 535-555 (2003).
- 64) Girolami B, Prandoni P, Stephani PM, Tanduo C, Sabbion P, Eichler P et al. The incidence of heparin-induced thrombocytopenia in hospitalized medical patients treated with subcutaneous unfractionated heparin: a prospective cohort study. *Blood*; **101**: 2955-2959 (2003).
- 65) Warkentin TE, Kelton JG. Temporal aspects of heparin-induced thrombocytopenia. *N Engl J Med*; **344**: 1286-1292 (2001).

- 66) Deloughery T.
Drug-induced immune hematologic disease.
Immunol Allerg Clin North Am; **18**:829-841(1998).

- 67) Greinacher A, Pötzsch B, Amiral J.
Heparin-associated thrombocytopenia: isolation of the antibody and characterization of a multimolecular PF4-heparin complex as major antigen.
Thrombosis and haemostasis; **71**: 247-251(1994).

- 68) Greinacher A, Lubenow N, Hinz P.
Heparin-induzierte Thrombozytopenie.
Deutsches Ärzteblatt; **100**: A2220-A2229 (2003).