

# Fulminante, rituximab-resistente, mucocutane pemphigus vulgaris

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## LITERATUUR

- van der Wier G, Jonkman MF, Pas HH, Diercks GF. Ultrastructure of acantholysis in pemphigus foliaceus re-examined from the current perspective. *Br J Dermatol* 2012 Dec;167(6):1265-1271.
- Oktarina DA, van der Wier G, Diercks GF, Jonkman MF, Pas HH. IgG-induced clustering of desmogleins 1 and 3 in skin of patients with pemphigus fits with the desmoglein nonassembly depletion hypothesis. *Br J Dermatol* 2011 Sep;165(3):552-562.
- Di Zenzo G, Amber KT, Sayar BS, Muller EJ, Borradori L. Immune response in pemphigus and beyond: progresses and emerging concepts. *Semin Immunopathol* 2016 Jan;38(1):57-74.
- Sokol E, Poot AM, Kramer D, Ishida-Yamamoto A, Jonkman MF, Giepmans BNG, et al. Desmoglein 1 in pemphigus foliaceus patient skin is depleted from desmosomes, clustered in interdigitating double membrane structures and sequestered in large cytoplasmic vesicles. 2017 in preparation.
- Joly P, Maho-Vaillant M, Prost-Squarcioni C, et al. First line use of rituximab versus standard corticosteroid regimen in the treatment of patients with pemphigus: a multicenter randomized study. *Lancet* 2017;in press.
- Horvath B, Huizinga J, Pas HH, Mulder AB, Jonkman MF. Low-dose rituximab is effective in pemphigus. *Br J Dermatol* 2012 Feb;166(2):405-412.
- Daniel BS, Hertl M, Werth VP, Eming R, Murrell DF. Severity score indexes for blistering diseases. *Clin Dermatol* 2012 Jan-Feb;30(1):108-113.
- Ryan JG. Pemphigus. A 20-year survey of experience with 70 cases. *Arch Dermatol* 1971 Jul;104(1):14-20.
- Cholera M, Chainani-Wu N. Management of Pemphigus Vulgaris. *Adv Ther* 2016 Jun;33(6):910-958.
- Borradori L, Lombardi T, Samson J, Girardet C, Saurat JH, Hugli A. Anti-CD20 monoclonal antibody (rituximab) for refractory erosive stomatitis secondary to CD20(+) follicular lymphoma-associated paraneoplastic pemphigus. *Arch Dermatol* 2001 Mar;137(3):269-272.
- Heizmann M, Itin P, Wernli M, Borradori L, Bargetzi MJ. Successful treatment of paraneoplastic pemphigus in follicular NHL with rituximab: report of a case and review of treatment for paraneoplastic pemphigus in NHL and CLL. *Am J Hematol* 2001 Feb;66(2):142-144.
- Joly P, Mouquet H, Roujeau JC, D'Incan M, Gilbert D, Jacquot S, et al. A single cycle of rituximab for the treatment of severe pemphigus. *N Engl J Med* 2007 Aug 9;357(6):545-552.
- Murrell DF, Pena S, Marinovic B. Diagnosis and management of pemphigus: recommendations by an international panel of experts. *J Am Acad Dermatol* 2017;in press.
- Andraud M, Lejeune O, Musoro JZ, Ogunjimi B, Beutels P, Hens N. Living on three time scales: the dynamics of plasma cell and antibody populations illustrated for hepatitis a virus. *PLoS Comput Biol* 2012;8(3):e1002418.
- Murrell DF, Dick S, Ahmed AR, Amagai M, Barnadas MA, Borradori L, et al. Consensus statement on definitions of disease, end points, and therapeutic response for pemphigus. *J Am Acad Dermatol* 2008 Jun;58(6):1043-1046.
- Hoyer BF, Manz RA, Radbruch A, Hiepe F. Long-lived plasma cells and their contribution to autoimmunity. *Ann N Y Acad Sci* 2005 Jun;1050:124-133.
- Suslova IM, Theodoropoulos DS, Cullen NA, Tetarnikova MK, Tetarnikov AS, Kolchak NA. Pemphigus vulgaris treated with allogeneic hematopoietic stem cell transplantation following non-myeloablative conditioning. *Eur Rev Med Pharmacol Sci* 2010 Sep;14(9):785-788.
- Vanikar AV, Modi PR, Patel RD, Kanodia KV, Shah VR, Trivedi VB, et al. Hematopoietic stem cell transplantation in autoimmune diseases: the Ahmedabad experience. *Transplant Proc* 2007 Apr;39(3):703-708.
- Vanikar AV, Trivedi HL, Patel RD, Kanodia KV, Modi PR, Shah VR. Allogeneic hematopoietic stem cell transplantation in pemphigus vulgaris: a single-center experience. *Indian J Dermatol* 2012 Jan;57(1):9-11.
- Wang M, Cao C, Sun J, Peng X, Liu Q, Huang L, et al. Application of autologous hematopoietic stem cell transplantation for pemphigus. *Int J Dermatol* 2017 Mar;56(3):296-301.
- Oyama Y, Parker ER, Brieva J, Guitart J, Statkute L, Verda L, et al. High-dose immune suppression and autologous hematopoietic stem cell transplantation in refractory pemphigus foliaceus. *Bone Marrow Transplant* 2004 Dec;34(12):1097-1098.
- Adam Z, Krejci M, Pour L, Feit J, Buchler T, Hajek R. IgA pemphigus associated with monoclonal gammopathy completely resolved after achievement of complete remission of multiple myeloma with bortezomib, cyclophosphamide and dexamethasone regimen. *Wien Klin Wochenschr* 2010 May;122(9-10):311-314.
- Hiepe F, Radbruch A. Plasma cells as an innovative target in autoimmune disease with renal manifestations. *Nat Rev Nephrol* 2016 Apr;12(4):232-240.