

Originalarbeiten zur Diagnostik bullöser Autoimmundermatosen

van Beek N, Krüger S, Fuhrmann T; Lemcke S, Goletz S, Probst C, Komorowski L, Di Zenzo G, Dmochowski M, Drenovska K, Horn M, Jedlickova H, Kowalewski C, Medenica L, Murrell D, Patsatsi A, Geller S, Uzun S, Vassileva S, Zhu X, Fechner K, **Zillikens D**, Stöcker W, **Schmidt E***; Rentzsch K*. J Am Acad Dermatol, im Druck.

Goletz S, Probst C, Komorowski L, Schlumberger W, Fechner K, **van Beek N**, **Holtsche MM**, Recke A, Yancey KB, Hashimoto T, Antonicelli F, Di Zenzo G, **Zillikens D**, Stöcker W, **Schmidt E**. Sensitive and specific assay for the serological diagnosis of anti-laminin 332 mucous membrane pemphigoid. Br J Dermatol 2019, 180: 149-56.

Lau I, Goletz S, **Holtsche MM**, **Zillikens D**, Fechner K, **Schmidt E**. Anti-p200 pemphigoid is the most common pemphigoid disease with serum antibodies against the dermal side by indirect immunofluorescence microscopy on human salt-split skin. J Am Acad Dermatol 2019, 81: 1195-97.

Meijer JM, **Atefi I**, Diercks G, **Vorobyev A**, Zuiderveen J, Meijer JH, Pas HH, **Zillikens D**, **Schmidt E**, Jonkman M. Serration pattern analysis for differentiating epidermolysis bullosa acquisita from pemphigoid variants. J Am Acad Dermatol 2018, 78: 754-759.

Prost-Squarcioni C, Caux F, **Schmidt E**, Jonkman MF, Vassileva S, Kim SC, Iranzo P, Daneshpazhooh M, Terra J, Bauer J, Fairley J, Hall R, Hertl M, Lehman JS, Marinovic B, Patsatsi A, **Zillikens D**, Werth V, Woodley DT, Murrell DF. International Bullous Diseases Group: consensus on diagnostic criteria for epidermolysis bullosa acquisita. Br J Dermatol 2018, 179: 30-14.

van Beek N, Lütmann N, **Hübner F**, Recke A, Karl I, Schulze FS, Zillikens D, **Schmidt E**. Serum levels of IgE autoantibodies against BP180: correlation with disease activity in patients with bullous pemphigoid but not with the type of clinical presentation. JAMA Dermatol 2017, 153: 30-38.

van Beek N, Dähnrich C, Johannsen N, Lemcke S, Goletz S, **Hübner F**, Di Zenzo G, Dmochowski M, Drenovska K, Geller S, Horn M, Kowalewski C, Medenica L, Murrell DF, Patsatsi A, Uzun S, Vassileva S, **Zillikens D**, Schlumberger W, **Schmidt E**. Prospective studies on the routine use of a novel multivariant ELISA for the diagnosis of autoimmune bullous diseases. J Am Acad Dermatol 2017, 76: 889-894.

Mindorf S, Dettmann I, Krüger S, Fuhrmann T, Rentzsch K, Ingolf K, Probst C, Komorowski L, Fechner K, **van Beek N**, Lemcke S, Sárdy M, Bangert C, Benoit S, Hashimoto T, **Zillikens D**, Pas H, Jonkman M, Stöcker W, **Schmidt E**. Routine detection of serum anti-desmoglein autoantibodies is only useful in patients with atypical pemphigus. Exp Dermatol 2017, 26: 1267-70.

Sadik C, Pas HH, Bohlmann MK, Mousavi S, Benoit S, Sárdy M, Terra JB, Lima AL, **Hammers CM**, **van Beek N**, Bangert C, **Zillikens D**, **Schmidt E**. Value of BIOCHIP technology in the diagnosis of pemphigoid gestationis. Acta Dermatol Venereol (Stockh.) 2017, 97: 128-30.

Recke A, Oei A, **Hübner F**, Fechner K, Graf J, Hagenah J, May C, Woitalla D, Salmen A, **Zillikens D**, Gold R, Schlumberger W, **Schmidt E**. Parkinson's disease and multiple sclerosis are not associated with autoantibodies against structural proteins of the dermal-epidermal junction. Br J Dermatol 2016, 175: 407-09.

Lemcke S, Sokolowski S, Rieckhoff N, Buschtez M, Kaffka C, Winter-Keil A, Schaller C, Rottmann N, Sadik C, Stöcker W, **Zillikens D**, **Schmidt E**. Automation of direct

immunofluorescence microscopy for skin biopsies to improve accuracy and efficiency in routine diagnostics. *J Cutan Pathol* 2016, 43: 227-35.

Schmidt E, Goebeler M, Hertl M, Sárdy M, Sitaru C, Eming R, Hofmann S, Hunzelmann N, Kern JS, Kramer H, Orzechowski HD, Pfeiffer C, Schuster V, Sporbeck B, Sticherling M, Worm M, **Zillikens D**, Nast A. S2k Guidelines for diagnosis of pemphigus vulgaris / foliaceus and bullous pemphigoid. *J Dtsch Dermatol Ges* 2015, 13: 713-727.

Van Beek N, Dohse A, Riechert F, Krull V, Recke A, Zillikens D, **Schmidt E**. Serum autoantibodies against the dermal-epidermal junction in patients with chronic pruritic disorders, elderly individuals, and blood donors prospectively recruited. *Br J Dermatol* 2014, 170: 943-7.

van Beek N, Rentzsch K, Probst C, Komorowski L, **Kasperkiewicz M**, Fechner K, Bloecker IM, **Zillikens D**, Stöcker W, **Schmidt E**. Serological diagnosis of autoimmune bullous skin diseases: Prospective comparison of the BIOCHIP mosaic-based indirect immunofluorescence technique with the conventional multi-step single test strategy. *Orphan J Rare Dis* 2012, 7:49.

Groth S, Vafia K, Recke A, Dähnrich C, **Zillikens D**, Stöcker W, Kuhn A, **Schmidt E**. Antibodies to the C-terminus of laminin γ 1 are present in a distinct subgroup of patients with systemic and cutaneous lupus erythematosus. *Lupus* 2012, 21: 1482-83.

Komorowski L, Müller R, **Vorobyev A**, Probst C, Recke A, Jonkman MF, Hashimoto T, Kim SC, Groves R⁶, Ludwig R, **Zillikens D**, Stöcker W, **Schmidt E**. Sensitive and specific assays for routine serological diagnosis of epidermolysis bullosa acquisita. *J Am Acad Dermatol* 2012, 68: 89-95.

Blöcker IM, Dähnrich C, Probst C, Komorowski L, Saschenbrecker S, Schlumberger W, Stöcker W, **Zillikens D**, **Schmidt E**. Epitope mapping of BP230 leading to a novel enzyme-linked immunosorbent assay for autoantibodies in bullous pemphigoid. *Br J Dermatol* 2012, 166: 964-70.

van Beek N, Knuth-Rehr D, Altmeyer P, Assaf C, Babilas , Bayerl C, Benoit S, Dippel E, Effendy I, Eming R, Fischer M, Glaenz T, Gläser R, Goebeler M, Gollnick H, Götze S, Gross P, Hadaschik E, Herbst R, Hermes B, Homey B, Hunzelmann N, Jünger M, Kapp M, Kern JS, Körber A, Luger T, Mechtel D, Megahed M, Moll I, Peters KP, Pfeiffer C, Ring J, Röcken M, Sárdy M, Seitz C, Stadler R, Steinbrink K, Sticherling M, Szeimies RM, Tronnier M, Ulrich J, Vogt T, Wagner N, Welzel J, Wenzel J, Wozel G, Zouboulis CC, **Zillikens D**, **Schmidt E**. Diagnostic of autoimmune bullous diseases in German dermatology departments. *J Dtsch Dermatol Ges* 2012, 10: 492-99.

Kim JH, Kim YH, Kim S, Noh EB, Kim SE, Vorobyev A, **Schmidt E**, **Zillikens D**, Kim SC. Serum levels of anti-type VII collagen antibodies detected by enzyme-linked immunosorbent assay in patients with epidermolysis bullosa acquisita are correlated with the severity of skin lesions. *J Eur Acad Dermatol Venereol*. 2012, 27: 224-230.

Saleh MA, Ishii K, Kim YJ, Murakami A, Ishii N, Hashimoto T, **Schmidt E**, **Zillikens D**, Shirakata Y, Hashimoto K, Kitajima Y, Amagai M. Development of NC1 and NC2 domains of type VII collagen ELISA for the diagnosis and analysis of the time course of epidermolysis bullosa acquisita patients. *J Dermatol Sci* 2011, 62: 169-75.