

Schriftenverzeichnis Stand 2015

Originalarbeiten: 46

Case reports: 11

Reviews:3

- I. **Dissertation:** Die Bedeutung der standardisierten AgNOR-Analyse für die diagnostische Pathologie der Mamma und die Koexpression von AgNORs und Mib-1-Antigen in invasiven Mammakarzinome. (Institut für Pathologie der Westfälischen Wilhems-Universität Münster. Prof. Dr. W. Böcker, Bewertung magna cum laude; 2000).
- II. **Habilitation:** Einfluss zentraler Signalwege auf Apoptose, Proliferation und Prognose in humanen Adenokarzinomen (2008) (Medizinische Fakultät der Universität Duisburg-Essen).

II. Originalarbeiten (Impact Factor in Klammern)

- 1 Alakus H, Mönig SP, Warnecke-Eberz U, Alakus G, Winde G, Drebber U, **Schmitz KJ**, Schmid KW, Riemann K, Siffert W, Bollschweiler E, Höscher AH, Metzger R (2009). Association of the GNAS1 T393C polymorphism with tumor stage and survival in gastric cancer. *World J Gastroenterology* 28; 15(48):6061-6067
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 - 5 Bankfalvi A, Ofner D, Schmid KW, **Schmitz KJ**, Breukelmann D, Krech R, Bocker W (1999) Standardized in situ AgNOR analysis in breast pathology: diagnostic and cell kinetic implications. *Pathol Res Pract* 195:219-229. (1.049)
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 - 8 Börgermann C, **Schmitz KJ**, Sommer S, Rübber H, Krege S. Characterization of the EGF receptor status in penile cancer : Retrospective analysis of the course of the disease in 45 patients.]. *Urologe A.* 2009 Sep 18.
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p53-derived epitopes in peripheral blood correlate with presence of epitope loss tumor variants in patients with hepatocellular carcinoma. *Int J Cancer*. 119(12):2851-60 (4.700)

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- 11 Frey UH, Alakus H, Wohlschlaeger J, **Schmitz KJ**, Winde G, van Calker HG, Jockel KH, Siffert W, Schmid KW (2005) GNAS1 T393C polymorphism and survival in patients with sporadic colorectal cancer. *Clin Cancer Res* 11:5071-5077.(5.715)
- 12 Fouzas I, Sotiropoulos GC, Molmenti EP, Beckebaum S, **Schmitz KJ**, Broelsch CE, Lang H, Malagó M. "Preemptive" live donor liver transplantation for fibrolamellar hepatocellular carcinoma: a case report. *Transplant Proc*. 2008 Dec;40(10):3806-7.
- 13 Grabellus F, Hoffmeier A, **Schmitz KJ**, Kandolf R, Bultmann BD, Scheld HH, Baba HA (2003) Resolved hypersensitivity myocarditis after ventricular circulatory assist. *Ann Thorac Surg* 76:2102-2104. (2.229)
- 14 Grabellus F, Mall G, Schnabel PA, Wieneke H, Pfeifer U, Kersting C, **Schmitz KJ**, Wohlschlager J, Sigusch HH, Bierhoff E, Kamler M, Scheld HH, Baba HA (2005) Immunohistochemical differentiation of eosinophilic heart diseases using antibodies against eosinophil activation markers. *Histopathology* 46:89-97.(2.608)
- 15 Lang H, Sotiropoulos GC, Brokalaki EI, **Schmitz KJ**, Bertona C, Meyer G, Frilling A, Paul A, Malagó M, Broelsch CE. Survival and recurrence rates after resection for hepatocellular carcinoma in noncirrhotic livers. *J Am Coll Surg*. 2007 Jul;205(1):27-36.
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- 18 Lehnerdt GF, Franz P, Zaqoul A, **Schmitz KJ**, Grehl S, Lang S, Schmid KW, Siffert W, Jahnke K, Frey UH. Overall and relapse-free survival in oropharyngeal and hypopharyngeal squamous cell carcinoma are associated with genotypes of T393C polymorphism of the GNAS1 gene. *Clin Cancer Res.* 2008 Mar 15;14(6):1753-8.
- 19 Loeffler-Ragg J, Mueller D, Gamerith G, Auer T, Skvortsov S, Sarg B, Skvortsova I, **Schmitz KJ**, Martin HJ, Krugmann J, Alakus H, Maser E, Menzel J, Hilbe W, Lindner H, Schmid KW, Zwierzina H. Proteomic identification of aldo-keto reductase AKR1B10 induction after treatment of colorectal cancer cells with the proteasome inhibitor bortezomib. *Mol Cancer Ther.* 2009 Jul;8(7): 1995-2006.
- 20 Otterbach F, Callies R, **Schmitz KJ**, Wrezecky C, Kimmig R, Siffert W, Schmid KW. The T393C polymorphism in the gene GNAS1 of G Protein is associated with survival in patients with invasive breast cancer. *Breast Cancer Res and Treat.* 2007 Nov;105(3):311-317.
- 21 Petrat F, Swoboda S, Groot H, **Schmitz KJ**. Quantification of ischemia-reperfusion injury to the small intestine using a macroscopic score. *J Invest Surg.* 2010 Aug;23(4):208-17.
- 22 Riemann,K.; Becker,L.; Struwe,H.; Nuckel,H.; Duhrsen,U.; Alakus,H.; Winde,G.; Neuhauser,M.; Rubben,H.; **Schmitz,K.J.**; Wohlschlaeger,J.; Schmid,K.W.; Siffert,W (2006). No association of the NFKB1 insertion/deletion promoter polymorphism with survival in colorectal and renal cell carcinoma as well as disease progression

in B-cell chronic lymphocytic leukemia. *Pharmacogenet Genomics* 16(11):783-788. (5.882)

- 23 Riemann K, Struwe H, Alakus J, Obermaier B, **Schmitz KJ**, Schmid KW, Siffert W. Association of GNB4 intron-1 haplotypes with survival in patients with UICC stage III and IV colorectal carcinoma. *Anticancer Res.* 2009 Apr;29(4):1271-1274.
- 24 **Schmitz KJ**, Lang H, Wohlschlaeger J, Reis H, Sotiropoulos GC, Schmid KW, and Baba HA . Elevated expression of cyclooxygenase-2 is a negative prognostic factor for overall survival in intrahepatic cholangiocarcinoma. *Virchows Arch* . 2006 Dec 13 [Epub ahead of print] (2.224)
- 25 **Schmitz KJ**, Wohlschlaeger J, Hakan A, Bohr J, Stauder MA, Worm K, Winde G, Schmid KW, and Baba HA. Activation of extracellular regulated kinases (ERK1/2) but not AKT predicts poor prognosis in colorectal carcinoma and is associated with k-ras mutations. *Virchows Arch* 2006 Dec 6 [Epub ahead of print]. (2.224)
- 26 **Schmitz KJ**, Callies R, Wohlschlaeger J, Kimmig R, Otterbach F, Bohr J, Lee HS, Takeda A, Schmid KW, Baba HA (2006) Overexpression of cyclo-oxygenase-2 is an independent predictor of unfavourable outcome in node-negative breast cancer, but is not associated with protein kinase B (Akt) and mitogen-activated protein kinase (ERK1/2, p38) activation or with Her-2/neu signalling pathways. *J Clin Pathol* 59:685-691.(2.170)
- 27 **Schmitz KJ**, Grabellus F, Callies R, Otterbach F, Wohlschlaeger J, Levkau B, Kimmig R, Schmid KW, Baba HA (2005) High expression of focal adhesion kinase (p125FAK) in node-negative breast cancer is related to overexpression of HER-2/neu and activated Akt kinase but does not predict outcome. *Breast Cancer Res* 7:R194-R203. (4.026)

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- 29 **Schmitz KJ**, Otterbach F, Callies R, Levkau B, Holscher M, Hoffmann O, Grabellus F, Kimmig R, Schmid KW, Baba HA (2004) Prognostic relevance of activated Akt kinase in node-negative breast cancer: a clinicopathological study of 99 cases. *Mod.Pathol* 17:15-21.(3.426)
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- 31 **Schmitz KJ**, Wohlschlaeger J, Lang H, Sotiropoulos GC, Malago M, Steveling K, Reis H, Cicinnati VR, Schmid KW, Baba HA. Activation of the ERK and AKT signalling pathway predicts poor prognosis in hepatocellular carcinoma and ERK activation in cancer tissue is associated with hepatitis C virus infection. *J Hepatol.* 2008 Jan;48(1):83-90.
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- 33 **Schmitz KJ**, Lang H, Kaiser GM, Wohlschlaeger J, Sotiropoulos GC, Baba HA, Jasani B, Schmid KW. Metallothionein overexpression and its prognostic relevance in intrahepatic cholangiocarcinoma and extrahepatic hilar cholangiocarcinoma. *Hum Pathol* 2009 Dec;40(12):1706-14. Epub 2009 Aug 14.

- 34 **Schmitz KJ**, Mueller CI, Reis H, Alakus H, Winde G, Baba HA, Wohlschlaeger J, Jasani B, Fandrey J, Schmid KW. Combined analysis of hypoxia-inducible factor 1 alpha and metallothionein indicates an aggressive subtype of colorectal carcinoma. *Int J Col Disease* 2009 Nov;24(11):1287-96. Epub 2009 Jun 16.
- 35 **Schmitz KJ**, Hey S, Schinwald A, Wohlschaeger J, Baba HA, Worm K, Schmid KW. Differential expression of microRNA 181b and microRNA 21 in hyperplastic polyps and sessile serrated adenomas of the colon. *Virchows Arch* 2009 Jul;455(1):49-54.
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- 38 Sotiropoulos GC, Radtke A, **Schmitz KJ**, Molmenti EP, Schroeder T, Saner FH, Baba HA, Fouzas I, Broelsch CE, Malagó M, Lang H. Liver transplantation in the setting of hepatocellular carcinoma and portal vein thrombosis: a challenging dilemma? *Dig Dis Sci*. 2008 Jul;53(7):1994-9.
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justified? Hepatogastroenterology. 2008 Sep-Oct; 55 (86-87): 1671-1677.

- 40 Wohlschlaeger J, Stubbe HD, **Schmitz KJ**, Kawaguchi N, Takeda A, Takeda N, Hinder F, Baba HA (2005) Roles of MMP-2/-9 in cardiac dysfunction during early multiple organ failure in an ovine animal model. Pathol.Res Pract. 201:809-817.(1.049)
- 41 Wohlschlaeger J, **Schmitz KJ**, Palatty J, Takeda A, Takeda N, Vahlhaus C, Levkau B, Stypmann J, Schmid C, Schmid KW, Baba HA (2007). Roles of cyclooxygenase-2 and phosphorylated Akt (Thr308) in cardiac hypertrophy regression mediated by left-ventricular unloading. J Thorac Cardiovasc Surg 133(1):37-43
- 42 Wohlschlaeger J, von Winterfeld M, Milting H, El Banayosy A, **Schmitz KJ**, Takeda A, Takeda N, Azhari P, Schmid C, August C, Schmid K Baba HA. Decreased myocardial chromogranin a expression and colocalization with brain natriuretic peptide during reverse cardiac remodeling after ventricular unloading. J Heart Lung Transplant. 2008 Apr;27(4):442-9.
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C, Pomjanski N, Böcking A, Baba HA. Hemodynamic support by left ventricular assist devices reduces cardiomyocyte DNA content in the failing human heart. *Circulation*. 2010 Mar 2;121(8):989-96.

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III. Fallmitteilungen:

1. Grabellus F, Dereskewitz C, **Schmitz KJ**, Kaiser GM, Kuhl H, Kersting C, Frilling A, Metz KA, Baba HA (2004) [Two cystic retroperitoneal lesions mimicking adrenal cysts]. *Pathologe*. (0.500)
2. Grabellus F, Worm K, Willruth A, **Schmitz KJ**, Otterbach F, Baba HA, Kimmig R, Metz KA (2005) ETV6-NTRK3 gene fusion in a secretory carcinoma of the breast of a male-to-female transsexual. *The Breast* 14:71-74. (1.705)
3. Fouzas I, Sotiropoulos GC, Molmenti EP, Beckebaum S, **Schmitz KJ**, Broelsch CE, Lang H, Malagó M. "Preemptive" live donor liver transplantation for fibrolamellar hepatocellular carcinoma: a case report. *Transplant Proc*. 2008 Dec;40(10):3806-7.
4. **Schmitz KJ**, König C, Riesener KP. *BMJ Case Rep*. 2012 Jul 11. Intramural carcinoma of the oesophagogastric junction.

5. **Schmitz KJ**, Unkel C, Grabellus F, Baba HA, Dirsch O, Neumann A (2004) Melanotic schwannoma of the neck mimicking a malignant melanoma. Eur.Arch.Otorhinolaryngol. (0.895)
6. **Schmitz KJ**, Schade U 2012 Pathologe Jul;33(4):350-1 Space occupying lesion of the ribs.
7. Maylar NM, Piotrowski AJ, Erbel R, **Schmitz KJ**. Images in cardiothoracic surgery. Giant right atrial mass: intracardiac extension of intravenous leiomyoma 18 years after hysterectomy. Ann Thorac Surg. 2009 Aug;88(2):684.
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9. Sotiropoulos GC, Treckmann JW, Molmenti EP, **Schmitz KJ**, Cicinnati VR, Paul A, Broelsch CE, Malagó M. Salvage live donor liver transplantation for a second recurrence of hepatocellular carcinoma. Transpl Int. 2008 Feb;21(2):182-5.
10. Hanoun M, **Schmitz KJ**, Dührsen U, Röth A. Amyloid tumour. Br J Haematol. 2009 Mar 14.
11. Winkel A, Schmitz KJ, Kusche D. Aktuelle Urol. 2014 Jul ; 45(4): 293-5. MOnstrous scrotal leiomyoma: a case report and literature survey

IV. Übersichten:

1. Wohlschlaeger J, **Schmitz KJ**, Schmid C, Schmid KW, Keul P, Takeda A, Weis S, Levkau B, Baba HA (2005) Reverse remodeling following insertion of left ventricular assist devices (LVAD): a review

of the morphological and molecular changes. Cardiovasc.Res
68:376-386.(4,575)

2. Unkel C, Lehnerdt G, **Schmitz KJ**, Jahnke K (2005) Laser-tonsillotomy for treatment of obstructive tonsillar hyperplasia in early childhood: A retrospective review. Int.J.Pediatr.Otorhinolaryngol.(0.754)
3. **Schmitz KJ**, Lang H, Wohlschlaeger J, Sotiropoulos GC, Reis H, Schmid KW, Baba HA. AKT and ERK1/2 signaling in intrahepatic cholangiocarcinoma. World J Gastroenterol. 2007 Dec 28;13(48):6470-7.

V: **Publizierte Vorträge:**

1. **Schmitz KJ**, Otterbach F, Callies R, Hölscher M, Hoffmann O, Grabellus F, Schmid KW, Baba HA: Proteinkinase-AKT-Signalweges in nodalnegativen Mammakarzinomen. Pathologe 2003 24:163. Arbeitsgemeinschaft Rheinisch-Westfälischer Pathologen 55. Sitzung am 25. Oktober 2003 in Bochum
2. **Schmitz KJ**, Grabellus F, Callies R, Otterbach F, Wohlschlaeger J, Levkau, B, Kimmig R, Schmid KW, Baba HA: High expression of focal adhesion kinase (p125FAK) in node-negative breast cancer is related to overexpression of HER.2/neu and activated Akt kinase but does not predict outcome. Patho Res Pract 2005 201/3 Abstract 162. 89. Jahrestagung der Deutschen Gesellschaft für Pathologie 2005.
3. **Schmitz KJ**, Grabellus F, Callies R, Otterbach F, Wohlschlaeger J, Levkau B, Kimmig R, Schmid KW, Baba HA: Hochregulierung der Focal Adhesion Kinase (FAK) in nodal-negativen Mammakarzinomen: mit HER2-Überexpression und Akt-Aktivierung Assoziation ohne

prognostische Aussagekraft. Pathologie 2005 26:243–247
Arbeitsgemeinschaft Rheinisch-Westfälischer Pathologen, Aachen,
30. Oktober 2004

4. **Schmitz KJ**, Alakus H, Wohlschläger J, Stauder M, van Calker HG, Schmid KW, Winde G, Baba HA: Expression und prognostische Bedeutung der aktivierten Kinasen ERK1/2 und Akt in kolorektalen Karzinomen. Pathologie 2006 · 27:305–307. Arbeitsgemeinschaft Rheinisch-Westfälischer Pathologen 131. Sitzung, 29. Oktober 2005 in Dortmund.
5. **Schmitz KJ**, Wohlschläger J, Lang H, Sotiropoulos GC, Malago M, Steveling K, Reis H, Cicinnati V, Schmid KW, Baba HA. Activation of the ERK and AKT signalling pathway predicts poor prognosis in hepatocellular carcinoma. Pathologie 2008. Supplement 1. Abstract Do-018

VI : **Leserbriefe**

VII: **Publizierte Abstracts:**

1. Bankfalvi A, Öfner D, **Schmitz K**, Breukelmann D, Krech R, Schmid KW, Böcker W: Standardisierte morphometrische AgNOR-Analyse in normalen, benignen und malignen Läsionen der Brust. Verh. Dtsch. Ges. Path. 81, 529 (1997)
2. Bankfalvi A, Öfner D, **Schmitz K**, Schmid KW, Böcker W: Comparative analysis of AgNORs and Mib1 growth fraction in breast cancer. Eur J Histochem 1998 42 Suppl1

3. **Schmitz K**, Bankfalvi A, Diallo R, Hungermann D, Lelle R, Böcker W: Quantification of HER-2/neu (cerbB-2) expression in malignant and benign breast lesions: a comparative analysis of automated measurement versus semiquantitative estimation and fluorescence in situ hybridization (FISH). Pathol Res Pract 2001; 197/5 (Abstract 210). 85. Tagung der Deutschen Gesellschaft für Pathologie in Münster
4. Diallo R, Poremba C, Buerger H, **Schmitz KJ**, Hungermann D, Heinig J, Bankfalvi A, Dockhorn-Dworniczak B, Böcker W: Myoepithel tumors of the breast: an immunohistochemical and molecular study. Pathol Res Pract 2001; 197/5 (Abstract 340). 85. Tagung der Deutschen Gesellschaft für Pathologie in Münster
5. Buerger, H, Schmid H, **Schmitz KJ**, Brand B, Böcker W: Genetic characterization of invasive breast cancer - a comparison of CGH and PCR based multiplex satellite analysis Pathol Res Pract 2001; 197/5 (Abstract 15). 85. Tagung der Deutschen Gesellschaft für Pathologie in Münster
6. Grabellus F, **Schmitz KJ**, Kind EM, Kersting C, Scheld HH, Baba HA Eosinophile Herzerkrankungen, Pathologie 2003 · 24:163
7. **Schmitz KJ**, Grabellus F, Callies R, Otterbach F, Levkau B, Kimmig R, Schmid KW, Baba HA. The expression of phospho(Serin166)-murine double minute 2 correlates with Akt-activation and is associated with a shorter overall survival in node-negative breast cancer. Pathol Res Pract 2005 201/3 Abstract 42. 89. Jahrestagung der Deutschen Gesellschaft für Pathologie
8. Grabellus F, Kersting C, **Schmitz KJ**, Frilling A, Baba HA, Metz KA: Zwei ex traadrenale Zysten, die zystische Nebennierentumoren vortäuschen F. Pathologie 2005 · 26:310–315. Arbeitsgemeinschaft Rheinisch-Westfälischer Pathologen 55. Sitzung am 25. Oktober 2003 in Bochum
9. Otterbach F, Kind EM, Sheu SY, **Schmitz KJ**, Baba HA, Schmid KW. C-Kit-Expression in adenoid-zystischen Mammakarzinomen. Pathologie

- 2005 · 26:310–315. Arbeitsgemeinschaft Rheinisch-Westfälischer Pathologen 55. Sitzung am 25. Oktober 2003 in Bochum
10. Wohlschläger J, Stubbe HJ, **Schmitz KJ**, Takeda A, Takeda N, Hinder F, Baba HA: Rolle der Matrixmetalloproteinase 2 und 9 im Myokard bei experimentellem Multiorganversagen am Tiermodell Pathologie 2005 · 26:243–247. Arbeitsgemeinschaft Rheinisch-Westfälischer Pathologen, Aachen, 30. Oktober 2004
 11. Wohlschlaeger J, **Schmitz KJ**, Schmid C. Baba HA. Cyclooxygenase 2, pAkt und pErk1/2 bei terminaler Herzinsuffizienz und nach LVAD Therapie. Pathologie 2006 · 27:305–307. Arbeitsgemeinschaft Rheinisch-Westfälischer Pathologen 131. Sitzung, 29. Oktober 2005 in Dortmund.
 12. **Schmitz KJ**, Callies, R, Wohlschläger J, Kimmig R, Otterbach J, Bohr J, Lee HS, Schmid KW, Baba HA: Overexpression of COX-2 is associated with an unfavourable outcome in node-negative breast cancer but not with Akt and mitogen-activated kinases (ERK1/2, p38) activation or with Her-2/neu signalling pathways. Pathology–Research and Practice 202 (2006) 199–350. 90. Jahrestagung der Deutschen Gesellschaft für Pathologie in Berlin.
 13. Wohlschlaeger J, **Schmitz KJ**, Schmid, KW, Levkau B, Baba HA. COX-2 and AKT with regard to cardiac hypertrophy in chronic heart failure and after mechanical support by LVAD. Pathology–Research and Practice 202 (2006) 199–350. 90. Jahrestagung der Deutschen Gesellschaft für Pathologie in Berlin.
 14. **Schmitz KJ**, Alakus H, Wohlschlaeger J, Stauder M, van Calker, HG, Schmid KW, Winde G, Baba HA. Prognostic relevance of activated extracellular regulated kinases (ERK1/2) in colorectal carcinoma. Pathology–Research and Practice 202 (2006) 199–350. 90. Jahrestagung der Deutschen Gesellschaft für Pathologie in Berlin.
 15. Wohlschlaeger J, **Schmitz KJ**, Levkau B, Schmid C, Schmid K.W, Baba HA Cyclooxygenase-2, Akt and ERK1/2 in terminal heart failure

and after ventricular mechanical unloading. Mod Pathol. 132 (2006).
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16. **Schmitz KJ**, Hey S, Wohlschläger J, Worm K, Baba HA, Schmid KW. Differential expression of miRNA 181b in hyperplastic polyps and sessile serrated adenoma of the colon. Der Pathologe 2009 Supplement 1 Fr-024

VIII: Fortbildungsvorträge, Posterpräsentationen ohne Publikation:

1. **Schmitz KJ**, Otterbach F, Callies R, Hoffmann O, Grabellus F, Schmid KW, Baba HA, Activated AKT kinase is an independent prognostic factor in node-negative breast cancer. Apoptosis 2003. From signaling pathways to therapeutic tools. Luxembourg European Conference Center Poster III,40
2. **Schmitz KJ**, Grabellus F, Callies R, Otterbach F, Wohlschläger J, Schmid KW, Baba HA: Eine Hochregulierung der Focal adhesion kinase (p125FAK) in 162 nodal-negativen Mammakarzinomen ist mit einer HER-2/neu Überexpression und einer Akt-Aktivierung assoziiert, weist aber keine prognostische Relevanz auf., Poster Nummer 99, 24. Jahrestagung der deutschen Gesellschaft für Senologie, 2.-4. September 2004, Konzerthaus Freiburg
3. **Schmitz KJ**, Dysplasiediagnostik bei der Colitis ulcerosa, 14. Workshop „Mechanismen der Zell- und Gewebsschädigung“. Xanten, 28.11.2008

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