



Publikationen Priv. Doz. Dr. med. Martin Volkmann

Originalarbeiten

2010

- ▶ **Evidence for a critical role of ceruloplasmin oxidase activity in iron metabolism of Wilson disease gene knockout mice**

Merle U, Tuma S, Herrmann T, Muntean V, Volkmann M, Gehrke SG, Stremmel W
J Gastroenterol Hepatol: 25, 1144-1150 (2010)

- ▶ **SLA/LP/tRNP((Ser)Sec) antigen in autoimmune hepatitis: identification of the native protein in human hepatic cell extract**

Volkmann M, Luithle D, Zentgraf H, Schnölzer M, Fiedler S, Heid H, Schulze-Bergkamen A, Strassburg CP, Gehrke SG, Manns MP
J Autoimmun: 34, 59-65 (2010)

2008

- ▶ **Evaluation of the serum-free light chain test in untreated patients with AL amyloidosis**

Bochtler T, Hegenbart U, Heiss C, Benner A, Cremer F, Volkmann M, Ludwig J, Perz JB, Ho AD, Goldschmidt H, Schönland SO
Haematologica: 93, 459-462 (2008)

2007

- ▶ **Labordiagnostik bei Erkrankungen der Bauchspeicheldrüse**

Volkmann M
DHZ: 5, 16-18 (2007)

2006

- ▶ **Lentiviral gene transfer ameliorates disease progression in Long-Evans cinnamon rats: an animal model for Wilson disease**

Merle U, Encke J, Tuma S, Volkmann M, Naldini L, Stremmel W
Scand J Gastroenterol: 41, 974-982 (2006)

- ▶ **Testing for anti-p53 antibodies increases the diagnostic sensitivity of conventional tumormarkers**

Müller M, Meyer M, Schilling T, Ulsperger E, Lehnert T, Zentgraf H, Stremmel W, Volkmann M, Galle PR
Int J Oncol: 29, 973-980 (2006)

2004

- ▶ **Serum protein electrophoresis: reptilase treatment is superior to ethanolprecipitation for specific removal of fibrinogen from heparinized plasma samples**

Ibrahim Y, Volkmann M, Hassoun R, Fiehn W, Rossmann H
Clin Chem: 50, 1100-1101 (2004)

- ▶ **Guanylin regulates chloride secretion in the human gallbladder via the bile fluid**

Kulaksiz H, Schlenker T, Rost D, Stiehl A, Volkmann M, Lehnert T, Cetin Y, Stremmel W
Gastroenterology: 126(3), 732-740 (2004)



► **Iron overload in adult Hfe-deficient mice independent of changes in the steady-state expression of the duodenal iron transporters DMT1 and Ireg1/ferroportin**

Herrmann T, Muckenthaler M, van der Hoeven F, Brennan K, Gehrke SG., Hubert N, Sergi C, Gröne HJ, Kaiser I, Gosch I, Volkmann M, Riedel HD, Hentze MW, Stewart AF, Stremmel W
J Mol Med: 82(1), 39-48 (2004)

2003

► **Cerebrospinal fluid tau levels in Alzheimer's disease are elevated when compared to vascular dementia but do not correlate with measures of cerebral atrophy**

Schönknecht P, Pantel J, Hartmann T, Werle E, Volkmann M, Essig M, Amann M, Zanabilli N, Bardenheuer H, Hunt A, Schröder J
Psychiatry Res: 120, 231-238 (2003)

► **Levels of total tau and tau protein phosphorylated at threonine 181 in patients with incipient and manifest Alzheimer's disease**

Schönknecht P, Pantel J, Hunt A, Volkmann M, Buerger K, Hampel H, Schröder J
Neurosci Lett: 339, 172-174 (2003)

► **Cerebrospinal fluid tau protein levels in schizophrenia**

Schönknecht P, Hempel A, Hunt A, Seidl U, Volkmann M, Pantel J, Schröder J
Eur Arch Psychiatry Clin Neurosci: 253, 100-102 (2003)

2002

► **Anti-p53 in breast cancer: concordance of different assay procedures and association with p53 antigen expression**

Volkmann M, Sinn HP, Gaugel D, Frey M, Hajjar Y, Ludwig J, Hänsel S, Bastert G, Wallwiener D, Fiehn W, Zentgraf H, Huober J
Oncology: 63, 297-305 (2002)

► **Prognostische Wertigkeit des Antikörpernachweises gegen p53 bei Patienten mit Plattenepithelkarzinomen der Mundhöhle anhand der 5-Jahresüberlebensrate**

Hofele C, Schwager-Schmidt M, Volkmann M
Laryngo-Rhino-Otologie: 81(5), 342-345 (2002)

2001

► **Study of p53 gene mutation in hepatocellular carcinoma patients from China**

Kang G, Fang Z, Volkmann M
Chinese J Exp Clin Virol: 15, 163-165 (2001)

► **Soluble liver antigen: isolation of a 35 kD recombinant protein (SLA-P35) specifically recognizing sera from patients with autoimmune hepatitis**

Volkmann M, Martin L, Baurle A, Heid H, Strassburg CP, Trautwein C, Fiehn W, Manns MP
Hepatology: 33, 591-596 (2001)

► **Loss of CD95 expression is linked to most but not all p53 mutants in European hepatocellular carcinoma**

Volkmann M, Schiff JH, Hajjar Y, Otto G, Stilgenbauer F, Hofmann WJ, Otto G, Fiehn W, Galle PR, Hofmann WJ
J Mol Med: 79, 594-600 (2001)



2000

- ▶ **Immunoreactivity to cytokeratin 8/18 in patients with soluble liver antigen (SLA) positive autoimmune hepatitis is not sufficient for diagnostic use**

Martin L, Bäurle A, Fiehn W, Volkmann M
Clin Lab: 46, 339-344 (2000)

- ▶ **Pair of siblings of Italian ethnicity with hyperferritinemia and cataract**

Volkmann M, Schiff HJ, Hör M, Hentze MW, Fiehn W, Merkt J
Internist-Berl: 41, 381-384 (2000)

- ▶ **Zementierte Hüftendoprothetik-Verminderung des Fettembolierisikos mittels gepulster Druckspülung**

Breusch SJ, Reitzel T, Schneider U, Volkmann M, Ewerbeck V, Lukoschek M
Orthopäde: 29, 578-586 (2000)

- ▶ **Neuron-specific enolase as a marker of fatal outcome in patients with severe sepsis or septic shock**

Weigand MA, Volkmann M, Schmidt H, Martin E, Bohrer H, Bardenheuer HJ
Anaesthesiology: 92, 905-907 (2000)

1999

- ▶ **Platelet activation as a potential mechanism of GP IIb/IIIa inhibitor induced thrombocytopenia**

Peter K, Straub A, Kohler B, Volkmann M, Schwarz M, Kübler W, Bode C
Am J Cardiol: 84, 519-524 (1999)

- ▶ **CDKN2 mutation is infrequent in German hepatocellular carcinoma**

Volkmann M, Stilgenbauer F, Hofmann WJ, Otto G, Schiff JH, Fiehn W
Oncology: 57, 306-310 (1999)

1998

- ▶ **Hepatic failure and liver cell damage in acute Wilson's disease involve CD95 (Apo-1/Fas) mediated apoptosis**

Strand S, Hofmann WJ, Grambihler A, Hug H, Volkmann M, Otto G, Wesch H, Mariani S, Hack V, Stremmel W, Krammer PH, Galle PR
Nature Medicine: 4(5), 588-593 (1998)

- ▶ **Fecal elastase 1, chymotrypsin and fecal fat analysis: comparison in a routine laboratory setting**

Volkmann M, Hackenberg M, Schiff JH, Fiehn W
Clin Lab: 44, 989-995 (1998)

- ▶ **Aberrant cytoplasmic expression of the p16 protein in breast cancer is associated with accelerated tumour proliferation**

Emig R, Magener A, Ehemann V, Meyer A, Stilgenbauer F, Volkmann M, Wallwiener D, Sinn HP
Br J Cancer: 78(12), 1661-1668 (1998)

1996

- ▶ **Use of specific ELISA for the detection of antibodies directed against p53 protein in patients with hepatocellular carcinoma**

Ryder SD, Rizzi PM, Volkmann M, Metevier E, Perreira LM, Galle PR, Naoumov N, Zentgraf H, Williams R
J Clin Path: 49(4), 295-299 (1996)



1995

▶ **P53 gene deletion predicts for poor survival and non-response to therapy with purine analogs in chronic B-cell leukemias**

Döhner H, Fischer K, Bentz M, Hansen K, Benner A, Cabot G, Diehl D, Schlenk R, Coy J, Stilgenbauer S, Volkmann M, Galle PR, Poustka A, Hunstein W, Lichter P
Blood: 85(6), 1580-1589 (1995)

1994

▶ **Genetic heterogeneity of hepatocellular carcinoma**

Unsal H, Yalkicier Y, Marçais C, Kew M, Volkmann M, Zentgraf H, Isselbacher K, Öztürk M
Proc Natl Acad Sci USA: 91, 822-826 (1994)

▶ **Clinical implications of the p53 tumor suppressor gene**

Müller M, Volkmann M, Zentgraf H, Galle PR
New Engl J Med: 330, 864-865 (1994)

▶ **P53 overexpression is frequent in European hepatocellular carcinoma and largely independent of the codon 249 hot spot mutation**

Volkmann M, Hofmann WJ, Müller M, Räh U, Otto G, Kommerell B, Zentgraf H, Galle PR
Oncogene: 9, 195-204 (1994)

▶ **In vitro experimental infection of primary human hepatocytes with hepatitis B virus**

Galle PR, Hagelstein J, Kommerell B, Volkmann M, Schranz P, Zentgraf H
Gastroenterology: 106, 464-473 (1994)

▶ **P53 autoantibodies in malignant disease: Significance and clinical relevance**

Galle PR, Volkmann M
Klin Lab: 12(40), 1193-1197 (1994)

▶ **Detection of p53-antibodies by Immunoblot and ELISA in various human malignancies- a new serological test?**

Galle PR, Müller M, Zentgraf H, Volkmann M in: R.Klapdor (ed). Current Tumor Diagnosis: Applications, Clinical Relevance, Research Trends W. Zuckerschwerdt Verlag München, New York: 562-564 (1994)

1993

▶ **Co-localisation of the tumor suppressor protein p53 and human papillomavirus E6 protein in human cervical carcinoma cell lines**

Liang XH, Herman B, Volkmann M, Klein R, Lockett S
Oncogene: 8, 2645-2652 (1993)

▶ **The humoral immune response to p53 in patients with hepatocellular carcinoma is specific for malignancy and independent of the alpha-fetoprotein status**

Volkmann M, Müller M, Hofmann WJ, Meyer M, Hagelstein J, Räh U, Kommerell B, Zentgraf H, Galle PR
Hepatology: 18(9), 559-565 (1993)

1992

▶ **Überexpression eines aberranten p53 beim hepatozellulären Karzinom nach Punktmutation des p53 Tumorsuppressorgens**

Galle PR, Räh U, Hofmann WJ, Zentgraf H, Volkmann M
Innere Medizin: 19, 37-40 (1992)



1991

► **P53 mutation in hepatocellular carcinoma after Aflatoxin exposure**

Öztürk M, Bressac B, Puisieux A, Kew M, Volkman M, Bozcall S, Bella Mura J, Carlson R, Blum HE, v. Weizsäcker F, Galun E, Kar S, Schröder CH, Erken E, Varinli S, Rustgi VK, Prat J, Toda G, Koch HK, Liang XH, Thang XY, Shouval D Lee, HS, Vyas GN, Sarosi I
The Lancet: 338, 1356-1359 (1991)

1990

► **Changes in clonal growth, immunophenotype and morphology during a follow-up study of ALL**

Reichle A, Volkman M, Pachmann K, Diddens H, Emmerich B
Haematology and blood transfusion: 33, 159-165 (1990)

► **Antigen receptor rearrangement and expression in acute leucemias**

Volkman M, Mar P, Pachmann K, Thiel E, Emmerich B
Haematology and blood transfusion: 33, 50-55 (1990)

1989

► **Molekularbiologie und Prognose bei Non Hodgkin-Lymphomen niedriger Malignität,**

Emmerich B, Pachmann K, Volkman M, Kersten W in: Non-Hodgkin-Lymphome: Trends in der Diagnostik und Therapie. Onkologisches Kolloquium 3, Berlin (1989)

Patentschrift

2000

► **Method of detecting p53-specific antibodies**

H. Zentgraf, P. Schranz, M. Volkman, C. Tessmer, R. Klein; Deutsches Krebsforschungszentrum, Stiftung öffentlichen Rechts, Heidelberg
US Patent 6,051,384 (18. 4. 2000)

Preise

2002

- "Lehrpreis 2002" der Medizinischen Fakultät der Universität Heidelberg

1992

- Bristol Myers Squibb Poster Award anlässlich der 26. Jahrestagung der "European Society for Clinical Investigation" in Wien, 1.-4.4. 1992, für die Arbeit: „P53 gene expression and point mutation in European hepatocellular carcinoma“

1991

- Förderpreis der „Gesellschaft für Gastroenterologie in Bayern“ 1991, für die Arbeit: "Überexpression eines aberranten p53 beim hepatozellulären Karzinom nach Punktmutation im p53 Tumor-Suppressorgen"

1990

- Promotionspreis der "Freunde der Technischen Universität München", 1990, für die Arbeit: "Umlagerung und Aktivierung von Differenzierungsgenen bei menschlichen Leukämien: Diagnostische Möglichkeiten."