

Originalarbeiten, n=190

1. Steger W., T. J. Vogl, **Mack, M. G.**, W. Pegios, G. Grevers. Die Wertigkeit der MRT mit Gd-DTPA bei Karzinomen des Larynx. *Radiologia diagnostica* 34 (1993) 426-432
2. Vogl T. J., **Mack, M. G.**, M. Juergens, C. Bergman, G. Grevers, T. F. Jacobsen, J. Lissner, R. Felix. Dynamic MR imaging of the skull base with high-dose gadodiamide injection - Drop-out effect in the early enhancement pattern of paragangliomas versus different tumors. *Radiology* 188 (1993) 339-346
3. Pegios W., T. J. Vogl, R. M., K. U., J. O. Balzer, R. Hammerstingl, **Mack, M. G.**, R. Felix. Benignes Chordom des Os sacrum: Radiologische Morphologie und differentialdiagnostische Aspekte. *Radiologica diagnostica* 35 (1994) 169-173
4. Vogl T. J., M. Juergens, J. O. Balzer, **Mack, M. G.**, C. Bergman, G. Grevers, J. Lissner, R. Felix. Glomus tumors of the Skull Base: Combined MR Angiography and MR Imaging. *Radiology* 192 (1994) 103-110
5. Vogl T. J., **Mack, M. G.**, M. Juergens, M. Stark, M. Deimling, D. Knöbber, G. Grevers, R. Felix. Fettunterdrückung in der kontrastverstärkten MRT der Schädelbasis und der Kopf-Halsregion: Klinische Wertigkeit. *RöFo, Fortschr. Röntgenstr.* 160 (1994) 417-424
6. Vogl T. J., **Mack, M. G.**, M. Juergens, M. Stark, W. Pegios, C. Bergman, G. Grevers, A. Western, R. Felix. Triple dose gadodiamide injection versus standard-dose Gd-DTPA in the head and neck tumors: An intraindividual comparison in 46 Patients. *AJR* 163 (1994) 425-432
7. Vogl T. J., C. E. Friebe, T. Balzer, **Mack, M. G.**, S. Steiner, H. Schedel, W. Pegios, W. Lanksch, W. Banzer, R. Felix. Zerebrale Metastasendiagnostik mittels Standarddosis Gadobutrol versus einem Hochdosisprotokoll - Intraindividuelle Evaluierung einer Phase-II-Hochdosisstudie. *Der Radiologe* 35 (1995) 508-516
8. Vogl T. J., **Mack, M. G.**, M. Juergens, J. O. Balzer, W. Pegios, R. Felix. Radiologic applications for the head and neck. *Medical Imaging International* April (1995) 6-10
9. Vogl T. J., **Mack, M. G.**, P. Müller, C. Philipp, H. Böttcher, A. Roggan, M. Juergens, M. Deimling, D. Knöbber, P. Wust, R. Felix. Recurrent nasopharyngeal tumors: Preliminary clinical results with interventional MR Imaging-controlled laser induced thermotherapy. *Radiology* 196 (1995) 725-733
10. Vogl T. J., **Mack, M. G.**, P. Müller, C. Philipp, M. Juergens, D. Knöbber, A. Roggan, P. Wust, V. Jahnke, R. Felix. MR-gesteuerte laserinduzierte Thermotherapie bei Tumoren in der Kopf-Halsregion: Erste klinische Ergebnisse. *RöFo, Fortschr. Röntgenstr* 163 (1995) 505-514
11. Vogl T. J., P. K. Müller, R. Hammerstingl, N. Weinhold, **Mack, M. G.**, C. Philipp, M. Deimling, F. Beuthan, W. Pegios, H. Riess, H. P. Lemmens, R. Felix. Malignant liver tumors treated with MR imaging-guided laser-induced thermotherapy: Technique and prospective results. *Radiology* 196 (1995) 257-265
12. Vogl T. J., W. Pegios, **Mack, M. G.**, M. Rausch, H. Hintze, M. Hünerbein, R. Hammerstingl, H. Lobbeck, R. Felix. Radiological modalities in the staging of colorectal tumors. New perspectives to increase accuracy. *Rec. Res. Gastroenterol* 142 (1995) 103-120
13. Vogl T. J., A. Western, **Mack, M. G.**, P. Kjærsgaard, M. Juergens, J. O. Balzer, R. Felix. MR Imaging of head and neck lesions using high-dose gadodiamide injection: a phase III clinical trial. *European Radiology* 5 (1995) 609-614

14. Bockmühl U., D. Knöbber, T. J. Vogl, **Mack, M. G.** Einsatz der MR-gesteuerten laserinduzierten Thermotheapie (LITT) bei Plattenepithelkarzinomrezidiven im Kopf-Hals-Bereich. *Laryngo-Rhino-Otol.* 75 (1996) 597-601
15. Pegios W., V. T.J., M. Hünerbein, R. Hintze, A. Adler, W. Veltzke, **Mack, M. G.**, R. Hammerstingl, H. Lobbeck, R. Felix. Hochauflösende MRT mittels Endorektalspule. Erfahrungen bei rektalen Tumoren. *Fortschr. Röntgenstr.* 164 (1996) 132-140
16. Pegios W., T. J. Vogl, **Mack, M. G.**, Hünerbein M, H. Hintze, J. O. Balzer, H. Lobeck, P. Wust, P. Schlag, R. Felix. MRI diagnosis and staging of rectal carcinoma. *Abdom Imaging* 21 (1996) 211-218
17. Vogl T. J., R. Hammerstingl, W. Schwarz, S. Kümmel, P. Müller, B. T., M. J. Lauten, J. O. Balzer, **Mack, M. G.**, C. Schimpfky, H. Schrem, W. O. Bechstein, P. Neuhaus, R. Felix. Magnetic resonance imaging of focal liver lesions: Comparison of the superparamagnetic iron oxide Resovist versus gadolinium-DTPA in the same patient. *Investigative Radiology* 31 (1996) 696-708
18. Vogl T. J., R. Hammerstingl, W. Schwarz, **Mack, M. G.**, P. Müller, H. Keck, J. Hoelzl, W. Pegios, A. Eibl-Eibesfeld, B. Woessmer, C. Bergman, R. Felix. Superparamagnetic iron oxide enhanced versus gadolinium enhanced mr imaging for differential diagnosis of focal liver lesions. *Radiology* 198 (1996) 881-887
19. Vogl T. J., S. Kümmel, R. Hammerstingl, M. Schellenbeck, G. Schumacher, T. Balzer, W. Schwarz, P. Müller, W. O. Bechstein, **Mack, M. G.**, O. Söllner, R. Felix. Liver tumors: Comparison of MR Imaging with Gd-EOB-DTPA and Gd-DTPA. *Radiology* 200 (1996) 59-67
20. Vogl T. J., W. Pegios, **Mack, M. G.**, M. Rausch, H. Hintze, M. Hunerbein, R. Hammerstingl, H. Lobbeck, R. Felix. Radiological modalities in the staging of colorectal tumors: new perspectives for increasing accuracy. *Recent Results Cancer Res* 142 (1996) 103-120
21. Vogl T. J., **Mack, M. G.**, W. R. Scholz, P. Müller, N. Weinhold, C. Philipp, H. Böttcher, A. Roggan, R. Felix. MR imaging guided laser-induced thermotherapy. *Min Invas Ther & Allied Technol* 5 (1996) 243-248
22. Vogl T. J., W. Steger, G. Grevers, J. Balzer, **Mack, M. G.**, R. Felix. MR characteristics of primary extramedullary plasmocytoma in the head and neck. *AJNR* 17 (1996) 1349-1354
23. Vogl T. J., N. Weinhold, P. Müller, C. Philipp, A. Roggan, **Mack, M. G.**, J. O. Balzer, H. Eichstädt, G. Blumhardt, H. Lobeck, R. Felix. Erste klinische Erfahrungen zur MR-gesteuerten laserinduzierten Thermotheapie (LITT) von Lebermetastasen im präoperativen Einsatz. *Fortschr. Röntgenstr* 164 (1996) 413-421
24. Dahm M. C., **Mack, M. G.**, M. Tykocinski, T. J. Vogl. Submillimeter imaging and reconstruction of the inner ear. *Am-J-Otol* 18 (1997) 54-56
25. **Mack, M. G.**, T. J. Vogl, M. C. Dahm, W. Pegios, J. O. Balzer, R. Hammerstingl, O. Söllner, R. Felix. Wertigkeit der hochauflösenden MRT für die Darstellung normaler und pathologischer Strukturen des Innenohres. *Klinische Neuroradiologie* 7 (1997) 77-82
26. **Mack, M. G.**, T. J. Vogl, M. Tykocinski, J. O. Balzer, W. Pegios, M. Juergens, M. C. Dahm, R. Felix. Traumatische Parese des N. facialis und N. cochlearis: Vergleichende Darstellung in der MRT- und CT. *RöFo* 166 (1997) 170-172
27. Vogl T. J., **Mack, M. G.**, H. H. Hirsch, P. Müller, N. Weinhold, P. Wust, C. Philipp, R. Roggan, R. Felix. In-vitro-Evaluierung der MR-Thermometrie zum Einsatz der laserinduzierten Thermotheapie. *Fortschr. Röntgenstr.* 167 (1997) 638-644

28. Ehrenstein T., J. Mäurer, M. Liokumowitsch, **Mack, M. G.**, R. Felix, J. Bier. CT and MR findings in frontomeataphyseal dysplasia. *J-Comput-Assist-Tomogr.* 21 (1997) 218-220
29. Vogl T. J., **Mack, M. G.**, R. Straub, A. Roggan, R. Felix. Percutaneous MRI-guided laser-induced thermotherapy for hepatic metastases for colorectal cancer. *The Lancet* 350 (1997) 29 (Research Letter)
30. Vogl T. J., **Mack, M. G.**, R. Straub, A. Roggan, R. Felix. Magnetic Resonance Imaging - guided abdominal interventional radiology: laser-induced thermotherapy of liver metastases. *Endoscopy* 29 (1997) 577-583
31. Vogl T. J., W. Pegios, **Mack, M. G.**, M. Hünenbein, H. Hintze, A. Adler, H. Lobbeck, R. Hammerstingl, P. Wust, P. Schlag, R. Felix. Accuracy of staging rectal adenoma with contrast enhanced transrectal MRI. *AJR* 168 (1997) 1427-1434
32. Vogl T. J., W. Schwarz, R. Hammerstingl, S. Kümmel, J. O. Balzer, **Mack, M. G.**, T. Diebold, T. Balzer, K. Shamsi, W. O. Bechstein, H. Schrem, P. Neuhaus, R. Felix. Dynamische und statische MRT mit dem superparamagnetischen MRT-Kontrastmittel Resovist zur Darstellung von primären und sekundären Lebertumoren. *Fortschr. Röntgenstr.* 167 (1997) 264-273
33. Vogl T. J., M. Trapp, W. Pegios, **Mack, M. G.**, W. O. Bechstein, W. Keck, A. Scholz, H. Schröder, P. Neuhaus, R. Felix. Volumetrische und morphologische CT-Parameter zur Prognoseabschätzung und Therapiekontrolle des hepatozellulären Karzinoms unter arterieller Chemoembolisation. *Fortschr. Röntgenstr.* 167 (1997) 219-226
34. **Mack, M. G.**, T. J. Vogl, K. Eichler, P. Müller, R. Straub, A. Roggan, R. Felix. Laser-induced thermoablation of tumors of the head and neck under MR tomographic control. *Min Invas Ther & Allied Technol* 7 (1998) 573-579
35. Vogl T. J., **Mack, M. G.**, P. Müller, R. Straub. MR-gesteuerte laser-induzierte Thermotherapie (LITT) von Lebermetastasen und primären Leberzellkarzinomen. *Onkologie* 4 (1998) 450-458
36. Vogl T. J., **Mack, M. G.**, P. Müller, R. Straub, K. Eichler, R. Felix. Laser-induced and microwave thermotherapy of hepatocellular carcinoma. *Digestion* 59 (1998) 86-88
37. Vogl T. J., **Mack, M. G.**, R. Straub, K. C. Eichler, P. K. Müller, V. Knappe, R. Felix. Internally cooled power laser for MR-guided interstitial laser-induced thermotherapy of liver lesions: initial clinical results. *Radiology* 209 (1998) 381-385
38. Vogl T. J., **Mack, M. G.**, R. Straub, P. Müller, K. Eichler, K. Engelmann, R. Felix. MR-guided laser induced thermotherapy of malignant liver lesions: technique and results. *Onkologie* 21 (1998) 412-419
39. Vogl T. J., W. Pegios, M. Hünenbein, **Mack, M. G.**, P. M. Schlag, R. Felix. Use and application of MRI techniques in the diagnosis and staging of rectal lesions. *Recent Results in Cancer Research* 146 (1998) 35-47
40. Vogl T. J., N. Weinhold, **Mack, M. G.**, P. K. Müller, W. R. Scholz, R. Straub, A. Roggan, R. Felix. Verifizierung der MR-Thermometrie mittels in vivo intraläsionaler fluoroptischer Temperaturmessung für die laserinduzierte Thermotherapie von Lebermetastasen. *Fortschr. Röntgenstr.* 169 (1998) 182-188
41. **Mack, M. G.**, T. J. Vogl. Magnetic resonance guided laser-induced thermotherapy of recurrent head and neck tumors. *Seminars in Interventional Radiology* 16 (1999) 63-69
42. **Mack, M. G.**, T. J. Vogl. MR imaging of the head and neck. *Eur. Radiol.* 9 (1999) 1247-1251

43. **Mack, M. G.**, J. Windolf, J. O. Balzer, M. Y. Hakimi, R. Straub, V. Jacobi, T. J. Vogl. Bildgebende Diagnostik bei traumatischen Verletzungen der Halswirbelsäule. Unfallchirurgie 25 (1999) 115-118
44. Vogl T. J., **Mack, M. G.**, P. Müller, R. Straub, K. Eichler, F. Scheib, K. Engelmann, R. Felix. Percutaneous laser-induced thermotherapy of malignant liver tumors. Seminars in Interventional Radiology 16 (1999) 3-12
45. Vogl T. J., **Mack, M. G.**, P. K. Müller, R. Straub, K. Engelmann, K. Eichler. Interventional MR: interstitial therapy. Eur. Radiol 9 (1999) 1479-1487
46. Vogl T. J., **Mack, M. G.**, R. Straub, K. Engelmann, S. Zangos, K. Eichler. Interventionelle MR-gesteuerte laserinduzierte Thermometrie bei onkologischen Fragestellungen. Radiologe 39 (1999) 764-771
47. Vogl T. J., **Mack, M. G.**, R. Straub, K. Engelmann, S. Zangos, K. Eichler, A. Roggan. Interventionelle laserinduzierte Thermotherapie von Lebermetastasen des Mammakarzinoms. Gynäkologe 32 (1999) 666-674
48. Vogl T. J., P. K. Müller, **Mack, M. G.**, R. Straub, K. Engelmann, P. Neuhaus. Liver metastases: interventional therapeutic techniques and results, state of the art. Eur. Radiol. 9 (1999) 675-684
49. Vogl T. J., P. K. Müller, **Mack, M. G.**, R. Straub, K. Engelmann, P. Neuhaus. Therapiemöglichkeiten bei nicht resektablen Lebermetastasen. Chirurg 70 (1999) 133-140
50. Weißkopf M., A. Beil, **Mack, M. G.**, U. Stöckle, T. Hoffmann. Wertigkeit der Magnetresonanztomographie bei traumatischer diskoligamentärer Instabilität der unteren Halswirbelsäule. Unfallchirurg 102 (1999) 942-948
51. Engelmann K., **Mack, M. G.**, R. Straub, K. Eichler, S. Zangos, E. Orenberg, T. J. Vogl. CT-gesteuerte perkutane intratumorale Chemotherapie mit Cisplatin-/Adrenalin-Gel zur Behandlung inoperabler maligner Lebertumore. RöFo 172 (2000) 1020-1027
52. Vogl T. J., **Mack, M. G.**, R. Straub, K. Eichler, K. Engelmann, A. Roggan, S. Zangos. Perkutane interstitielle Thermotherapie maligner Lebertumoren. Fortschr. Röntgenstr. 172 (2000) 12-22
53. Vogl T. J., H. Schröder, M. Trapp, R. Straub, A. Schuster, **Mack, M. G.**, F. Souchon, P. Neuhaus. Multisequenzielle arterielle Chemoembolisation fortgeschrittener hepatozellulärer Karzinome: Computertomographische Verlaufsparemeter zur Beurteilung des Ansprechens auf die Therapie. Fortschr. Röntgenstr. 172 (2000) 43-50
54. Vogl T. J., M. Trapp, H. Schröder, **Mack, M. G.**, A. Schuster, J. Schmitt, P. Neuhaus, R. Felix. Transarterial chemoembolization for hepatocellular carcinoma: Volumetric and morphologic CT criteria for assessment of prognosis and therapeutic success-results from a liver transplantation center. Radiology 214 (2000) 349-357
55. Vogl T., **Mack, M. G.**, R. Straub, S. Zangos, D. Woitaschek, K. Eichler, K. Engelmann. Thermische Ablation von Lebermetastasen - Aktueller Stand und Perspektiven. Radiologe 41 (2001) 49-55.
56. Zangos S., **Mack, M. G.**, R. Straub, K. Engelmann, K. Eichler, J. Balzer, T. J. Vogl. Transarterielle Chemoembolisation (TACE) - Ein palliativer Therapieansatz. Radiologe 41 (2001) 84-90
57. **Mack, M. G.**, R. Straub, K. Eichler, K. Engelmann, A. Roggan, D. Woitaschek, M. Böttger, T. J. Vogl. Percutaneous MR imaging-guided laser-induced thermotherapy of hepatic metastases. Abdominal imaging 26 (2001) 369-374

58. **Mack, M. G.**, J. O. Balzer, R. Straub, K. Eichler, T. J. Vogl. Superparamagnetic Iron Oxide-enhanced MR Imaging of Head and Neck Lymph Nodes. *Radiology* 222 (2002) 239-244.
59. **Mack, M. G.**, R. Straub, K. Eichler, A. Roggan, M. Böttger, T. J. Vogl. MR-guided laser-induced thermotherapy in recurrent extrahepatic abdominal tumors. *European Radiology* 11 (2001) 2041-2046
60. **Mack, M. G.**, R. Straub, K. Eichler, S. Zangos, F. Kniep, J. O. Balzer, T. J. Vogl. Nadelhalter zur Reduktion der Strahlenbelastung für den Untersucher bei einer CT-gesteuerten Punktion. *Radiologe* 41 (2001) 927-929.
61. Vogl T. J., K. Eichler, R. Straub, K. Engelmann, S. Zangos, D. Woitaschek, M. Böttger, **Mack, M. G.**. Laser-induced thermotherapy of malignant liver tumors: general principals, equipment(s), procedure(s) - side effects, complications and results. *Eur J Ultrasound* 13 (2001) 117-127.
62. Vogl, T. J., S. Zangos, J. O. Balzer, A. Thalhammer, **Mack, M. G.**. Transarterielle Chemoembolisation von Lebermetastasen: Indikationsstellung, Technik, Ergebnisse. *Rofo Fortschr Geb Rontgenstr Neuen Bildgeb Verfahr* 174 (2002) 675-683.
63. **Mack, M. G.**, T. J. Vogl. MR-guided ablation of head and neck tumors. *Magn Reson Imaging Clin N Am* 10 (2002) 707-713
64. Vogl, T. J., R. Straub, K. Eichler, D. Woitaschek, **Mack, M. G.**. Malignant liver tumors treated with MR imaging-guided laser-induced thermotherapy: experience with complications in 899 patients (2,520 lesions). *Radiology* 225 (2002) 367-377
65. Sigal, R., T. Vogl, J. Casselman, G. Moulin, F. Veillon, R. Hermans, F. Dubrulle, J. Viala, J. Bosq, **Mack, M. G.**, M. Depondt, C. Mattelaer, P. Petit, P. Champsaur, S. Riehm, Y. Dadashitazehozhi, T. De Jaegere, G. Marchal, D. Chevalier, L. Lemaitre, C. Kubiak, R. Helmberger, P. Halimi. Lymph node metastases from head and neck squamous cell carcinoma: MR imaging with ultrasmall superparamagnetic iron oxide particles (Sinerem MR) - results of a phase-III multicenter clinical trial. *Eur Radiol* 12 (2002) 1104-1113.
66. Vogl, T. J., K. Engelmann, **Mack, M. G.**, R. Straub, S. Zangos, K. Eichler, K. Hochmuth, E. Orenberg. CT-guided intratumoral administration of cisplatin/epinephrine gel for treatment of malignant liver tumors. *Br J Cancer* 86 (2002) 524-529
67. Vogl, T. J., **Mack, M. G.**, R. Straub, K. Eichler, S. Zangos. MR-guided laser-induced thermotherapy of the infratemporal fossa and orbit in malignant chondrosarcoma via a modified technique. *Cardiovasc Intervent Radiol* 24 (2001) 432-435
68. Eichler, K., **Mack, M. G.**, R. Straub, K. Engelmann, S. Zangos, D. Woitaschek, T. J. Vogl. Oligonoduläres hepatozelluläres Karzinom (HCC): MR-gesteuerte laserinduzierte Thermotherapie. *Radiologe* 41 (2001) 915-922.
69. Hochmuth, K., **Mack, M. G.**, A. A. Kurth, L. Zichner, T. J. Vogl. Sportverletzungen und -schäden der Wirbelsäule. *Radiologe* 42 (2002) 823-832
70. Sigal, R., T. Vogl, J. Casselman, G. Moulin, F. Veillon, R. Hermans, F. Dubrulle, J. Viala, J. Bosq, **Mack, M. G.**, M. Depondt, C. Mattelaer, P. Petit, P. Champsaur, S. Riehm, Y. Dadashitazehozhi, T. De Jaegere, G. Marchal, D. Chevalier, L. Lemaitre, C. Kubiak, R. Helmberger, P. Halimi. Lymph node metastases from head and neck squamous cell carcinoma: MR imaging with ultrasmall superparamagnetic iron oxide particles (Sinerem MR) - results of a phase-III multicenter clinical trial. *Eur Radiol* 12 (2002) 1104-1113
71. Vogl, T. J., J. O. Balzer, **Mack, M. G.**, G. Bett, A. Oppelt. Hybrid MR interventional imaging system: combined MR and angiography suites with single interactive table. Feasibility study in vascular liver tumor procedures. *Eur Radiol* 12 (2002) 1394-1400

72. Vogl, T. J., K. Eichler, S. Zangos, **Mack, M. G.**, R. Hammerstingl. Das hepatozelluläre Karzinom: Rolle der Bildgebung zur Detektion, Therapieplanung und Therapiekontrolle. *Rofo Fortschr Geb Rontgenstr Neuen Bildgeb Verfahr* 174 (2002) 1358-1368
73. Vogl, T. J., K. Engelmann, **Mack, M. G.**, R. Straub, S. Zangos, K. Eichler, K. Hochmuth, E. Orenberg. CT-guided intratumoral administration of cisplatin/epinephrine gel for treatment of malignant liver tumors. *Br J Cancer* 86 (2002) 524-529
74. Vogl, T. J., **Mack, M. G.**, R. Straub, K. Eichler, A. Roggan, S. Zangos, D. Woitaschek, M. Bottger. Magnetic Resonance (MR)-Guided Percutaneous Laser-Induced Interstitial ThermoTherapy (LITT) for Malignant Liver Tumors. *Surg Technol Int* 10 (2002) 89-98
75. Vogl, T. J., **Mack, M. G.**, R. Straub, K. Eichler, S. Zangos, K. Engelmann, K. Hochmuth, S. Ballenberger, V. Jacobi, T. Diebold. MR-guided laser-induced thermoTherapy with a cooled power laser system: a case report of a patient with a recurrent carcinoid metastasis in the breast. *Eur Radiol* 12 (2002) S101-104
76. Zangos, S., D. Kiefl, K. Eichler, K. Engelmann, M. Heller, C. Herzog, **Mack, M. G.**, V. Jacobi, T. J. Vogl. [MR-guided biopsies of undetermined liver lesions: technique and results]. *Rofo Fortschr Geb Rontgenstr Neuen Bildgeb Verfahr* 175 (2003) 688-694
77. Vogl, T. J., C. Schick, **Mack, M. G.**, W. Gstottner. [Diagnostic imaging and differential diagnosis of pathological processes of the sinus cavernosus]. *Radiologe* 43 (2003) 161-170
78. Keim, S., **Mack, M. G.**, T. Vogl, J. Windolf. [Clinical impact of MRI in acute wrist injuries. Indication and therapeutic consequences]. *Unfallchirurg* 106 (2003) 127-135
79. Schick, C., **Mack, M. G.**, I. Marzi, T. G. Vogl. Lipohearthrosis of the knee: MRI as an alternative to the puncture of the knee joint. *Eur Radiol* 13 (2003) 1185-1187
80. Vogl, T. J., M. Heller, S. Zangos, W. Schwarz, K. Eichler, **Mack, M. G.**, D. Berger, J. O. Balzer. [Transarterial chemoperfusion of inoperable pancreas carcinoma and local recurrence]. *Rofo Fortschr Geb Rontgenstr Neuen Bildgeb Verfahr* 175 (2003) 695-704
81. Vogl, T. J., **Mack, M. G.**, J. O. Balzer, K. Engelmann, R. Straub, K. Eichler, D. Woitaschek, S. Zangos. Liver metastases: Neoadjuvant downsizing with transarterial chemoembolization before laser-induced thermoTherapy. *Radiology* 229 (2003) 457-464.
82. Pegios W, Bentas W, Wittmann L, **Mack M**, Zangos S, Sollner O, Binder J, Fellbaum C, Jonas D, Vogl T: [MRI staging of prostate cancer with the combined endorectal body phased-array coil and histologic correlation]. *Rofo Fortschr Geb Rontgenstr Neuen Bildgeb Verfahr* 175: 1660-1666, 2003
83. Herzog C, Dogan S, Wimmer-Greinecker G, Balzer J, **Mack M**, Vogl T: Multidetector-row CT: cardiosurgery indications. *Eur Radiol* 13: 82-87, 2003
84. Engelmann K, **Mack, M. G.**, Eichler K, Straub R, Zangos S, Vogl TJ: [Interstitial photodynamic laser therapy for liver metastases: first results of a clinical phase I-study]. *Rofo Fortschr Geb Rontgenstr Neuen Bildgeb Verfahr* 175: 682-687., 2003
85. Vogl T, Balzer J, **Mack M**, Herzog C: Interventional MDCT. *Eur Radiol* 13: 139-145, 2003
86. **Mack, M. G.**, S. Keim, J. O. Balzer, W. Schwarz, K. Hochmuth, J. Windolf, T. J. Vogl. Clinical impact of MRI in acute wrist fractures. *Eur Radiol* 13 (2003) 612-617
87. **Mack, M. G.**, Balzer J, Herzog C, Vogl T: Multi-detector CT: head and neck imaging. *Eur Radiol* 13: 121-126, 2003

88. Vogl T, Straub R, Eichler K, Sollner O, **Mack, M. G.**: Colorectal carcinoma metastases in liver: laser-induced interstitial thermotherapy--local tumor control rate and survival data. *Radiology* 230: 450-458, 2004
89. **Mack, M. G.**, R. Straub, K. Eichler, O. Söllner, T. Lehnert, T. J. Vogl. Laser-induced interstitial thermotherapy (LITT) of breast cancer metastases in the liver – Local control rate and survival data. *Radiology* 2004, 230: 450-458
90. **Mack, M. G.**, T. Vogl. MR-guided ablation of head and neck tumors. *Neuroimaging Clin N Am* 14 (2004) 853-859
91. **Mack, M. G.**, K. Eichler, R. Straub, T. Lehnert, T. J. Vogl. MR-guided laser-induced thermotherapy of head and neck tumors. *Med. Laser Appl.* 19 (2004) 91-97
92. Vogl, T., H. Fieguth, K. Eichler, R. Straub, T. Lehnert, S. Zangos, **Mack, M. G.**: Laser-induced thermotherapy of lung metastases and primary lung tumors, *Radiologe*, 2004, pp 693-699
93. Vogl, T. J., R. Straub, T. Lehnert, J. Li, K. Eichler, **Mack, M. G.**. MR-guided laser-induced thermotherapy (MR_LITT) of lung metastases. Technique, indications and results. *Med. Laser Appl.* 19 (2004) 67-7
94. Vogl, T., K. Eichler, **Mack, M. G.**, S. Zangos, C. Herzog, A. Thalhammer, K. Engelmann. Interstitial photodynamic laser therapy in interventional oncology. *Eur Radiol* 14 (2004) 1063-1073
95. Zangos, S., **Mack, M. G.**, J. O. Balzer, K. Engelmann, R. Straub, K. Eichler, C. Herzog, T. Lehnert, O. Söllner, M. Heller, A. Thalhammer, T. J. Vogl. Neoadjuvant transarterial chemoembolization (TACE) before percutaneous MR-guided laser-induced thermotherapy (LITT): Results in large-sized primary and secondary liver tumors. *Med. Laser Appl.* 19 (2004) 98-108
96. Zangos, S., S. Kissler, A. Mueller, E. Siebzehnuebl, M. Kaufmann, N. Hamscho, F. Grunwald, K. Eichler, C. Herzog, F. Marquardt, J. Peters, V. Jacobi, **Mack, M. G.**, T. Vogl. [Uterine Adenomyosis in Infertile Patients: MR Imaging Findings and Clinical Conclusions.]. *Röfo* 176 (2004) 1641-1647
97. Vogl, T., T. Lehnert, A. Wetter, **Mack, M. G.**, M. Wurster: Interventional radiology in Carney triad, *Eur Radiol*, 2004
98. Herzog, C., M. Britten, J. Balzer, **Mack, M. G.**, S. Zangos, H. Ackermann, V. Schaechinger, S. Schaller, T. Flohr, T. Vogl. Multidetector-row cardiac CT: diagnostic value of calcium scoring and CT coronary angiography in patients with symptomatic, but atypical, chest pain. *Eur Radiol* 14 (2004) 169-177
99. Herzog, C., H. Ahle, **Mack, M. G.**, B. Maier, W. Schwarz, S. Zangos, V. Jacobi, A. Thalhammer, J. Peters, H. Ackermann, T. Vogl. Traumatic injuries of the pelvis and thoracic and lumbar spine: does thin-slice multidetector-row CT increase diagnostic accuracy? *Eur Radiol* 14 (2004) 1751-1760
100. Frank, J., M. Militz, V. Bühren, **Mack, M. G.**, I. Marzi. Navigation - Erfahrungen zu Kosten und Nutzen in der Extremitätenversorgung. *Trauma Berufskrankh* 6 (2004) 191-196
101. Adunka, O., M. U. Unkelbach, **Mack, M. G.**, M. Hambek, W. Gstöttner, J. Kiefer. Cochlear implantation via the round window membrane minimizes trauma to cochlea structures: A histologically controlled insertion study. *Acta Otolaryngol* 124 (2004) 807-812
102. Adunka, O., M. Unkelbach, **Mack, M. G.**, A. Radeloff, W. Gstoettner. Predicting basal cochlear length for electric-acoustic stimulation. *Arch Otolaryngol Head Neck Surg* 131 (2005) 488-492

103. Baghi, M., **Mack, M. G.**, M. Hambek, J. Rieger, T. Vogl, W. Gstoettner, R. Knecht. The efficacy of MRI with ultrasmall superparamagnetic iron oxide particles (USPIO) in head and neck cancers. *Anticancer Res* 25 (2005) 3665-367
104. Balzer, J., V. Gastinger, R. Ritter, C. Herzog, **Mack, M. G.**, T. Schmitz-Rixen, T. Vogl: Percutaneous interventional reconstruction of the iliac arteries: primary and long-term success rate in selected TASC C and D lesions [epub ahead of print] [Record Supplied By Publisher], *Eur Radiol*, 2005
105. Herzog, C., C. Grebe, A. Mahnken, J. Balzer, **Mack, M. G.**, S. Zangos, H. Ackermann, S. Schaller, T. Seifert, B. Ohnesorge, T. Vogl. Peripheral artery stent visualization and in-stent stenosis analysis in 16-row computed tomography: an in-vitro evaluation [In Process Citation]. *Eur Radiol* 15 (2005) 2276-2283
106. Maataoui, A., J. Qian, **Mack, M. G.** Khan, E. Oppermann, M. Roozru, S. Schmidt, W. Bechstein, T. Vogl. Liver metastases in rats: chemoembolization combined with interstitial laser ablation for treatment. *Radiology* 237 (2005) 479-484
107. Maataoui, A., J. Qian, **Mack, M. G.**, R. Straub, E. Oppermann, M. Khan, V. Knappe, T. Vogl. [Laser-induced Interstitial thermotherapy (LITT) in hepatic metastases of various sizes in an animal model]. *Röfo* 177 (2005) 405-41
108. **Mack, M. G.**, T. Lehnert, K. Eichler, T. Vogl. MR-guided laser ablation. *Magn Reson Imaging Clin N Am* 13 (2005) 583-594
109. **Mack, M. G.**, J. Rieger, M. Baghi, T. J. Vogl. The role of MRI in the diagnosis of cervical lymph node in patients with head and neck tumors. *Clinical MRI* 15 (2005) 11-15
110. Schneidmueller, D., M. Maier, **Mack, M. G.**, R. Straub, I. Marzi. [Therapeutic relevance of magnetic resonance imaging in joint injuries in children]. *Unfallchirurg* 108 (2005) 537-543
111. Vogl, T., T. Lehnert, A. Wetter, **M. G. Mack, M. G.** Wurster. Interventional radiology in Carney triad. *Eur Radiol* 15 (2005) 833-837
112. Vogl TJ, Proschek D, Schwarz W, **Mack M. G.**, Hochmuth K. CT-guided percutaneous vertebroplasty in the therapy of vertebral compression fractures. *Eur Radiol* 2006; 16:797-803.
113. Vogl TJ, Lehnert T, Eichler K, Proschek D, Floter J, **Mack MG**. Adrenal metastases: CT-guided and MR-thermometry-controlled laser-induced interstitial thermotherapy. *Eur Radiol* 2006
114. Zangos, S., K. Eichler, K. Engelmann, M. Ahmed, S. Dettmer, C. Herzog, W. Pegios, A. Wetter, T. Lehnert, **Mack, M. G.**, T. Vogl. MR-guided transgluteal biopsies with an open low-field system in patients with clinically suspected prostate cancer: technique and preliminary results. *Eur Radiol* 15 (2005) 174-182
115. Zangos S, Eichler K, Wetter A, Lehnert T, Hammerstingl R, Diebold T, Reichel P, Herzog C, Hansmann ML, **Mack MG**, Vogl TJ. MR-guided biopsies of lesions in the retroperitoneal space: technique and results. *Eur Radiol* 2006; 16:307-312
116. Landes CA, Goral W, **Mack MG**, Sader R. 3-D sonography for diagnosis of osteoarthritis and disk degeneration of the temporomandibular joint, compared with MRI. *Ultrasound Med Biol* 2006; 32:627-632
117. Landes CA, Goral WA, Sader R, **Mack MG**. 3D sonography for diagnosis of disk dislocation of the temporomandibular joint compared with MRI. *Ultrasound in Med. & Biol* 2006, 32 633-639.
118. Vogl TJ, **Mack M. G.**, Eichler K, Lehnert T, Nabil M. Effect of laser-induced thermotherapy on liver metastases. *Expert Rev Anticancer Ther* 2006; 6:769-774.

119. Balzer JO, Gastinger V, Ritter R, Herzog C, **Mack MG**, Schmitz-Rixen T, Vogl TJ. Percutaneous interventional reconstruction of the iliac arteries: primary and long-term success rate in selected TASC C and D lesions. *Eur Radiol* 2006; 16: 124-131
120. Landes CA, Goral WA, Sader R, **Mack MG**. Three-dimensional versus two-dimensional sonography of the temporomandibular joint in comparison to MRI. *Eur J Radiol* 2007; 61:235-244.
121. Bisdas S, Baghi M, Smolarz A, Pihno NC, Lehnert T, Knecht R, **Mack MG**, Vogl TJ, Tuerkay S, Koh TS. Quantitative measurements of perfusion and permeability of oropharyngeal and oral cavity cancer, recurrent disease, and associated lymph nodes using first-pass contrast-enhanced computed tomography studies. *Invest Radiol* 2007; 42:172-179.
122. Baghi M, **Mack MG**, Hambek M, Bisdas S, Muerthel R, Wagenblast J, Gstoettner W, Vogl T, Knecht R. Usefulness of MRI volumetric evaluation in patients with squamous cell cancer of the head and neck treated with neoadjuvant chemotherapy. *Head & Neck* 2007; 29:104-108.
123. Lehnert T, Wohlers J, Streng W, Manegold K, Wetter A, Jacobi V, **Mack MG**, Vogl TJ. [Variation in X-ray dose quantity using an amorphous selenium based flat-panel detector -- a study on the dose reduction rate up to the limit of diagnostical utilization]. *Röfo* 2006; 178: 278-286.
124. Straub R, **Mack MG**, Jacobi V, Proschek D, Vogl TJ. [Magnetic resonance imaging in orthopaedic medicine.]. *Orthopäde* 2006
125. Proschek D, **Mack M. G.**, Kafchitsas K, Fuschshoeller G, Hochmuth K. Kontrastmittelgestützte Diagnostik in der Orthopädie. *Orthopäde* 2006; 35:616-625
126. Meister D, Hubner F, **Mack M. G.**, Vogl TJ. [MR thermometry for laser-induced thermotherapy at 1.5 Tesla]. *Röfo* 2007; 179:497-505.
127. Proschek D, Proschek P, Hochmuth K, Balzer JO, **Mack MG**, Vogl TJ. False Aneurysm of the Left Femoral Artery and Thrombosis of the Left Femoral Vein after Total Hip Arthroplasty. *Arch Orthop Trauma Surg* 2006; 126:493-497.
128. Lehnert T, Mundackatharappel S, Schwarz W, Bisdas S, Wetter A, Herzog C, Balzer JO, **Mack MG**, Vogl TJ. [Nucleolysis in the herniated disk]. *Radiologe* 2006; 46:513-519.
129. Zangos S, Eichler K, Balzer JO, Straub R, Hammerstingl R, Herzog C, Lehnert T, Heller M, Thalhammer A, **Mack MG**, Vogl TJ. Large-sized hepatocellular carcinoma (HCC): a neoadjuvant treatment protocol with repetitive transarterial chemoembolization (TACE) before percutaneous MR-guided laser-induced thermotherapy (LITT). *Eur Radiol* 2007; 17:553-563
130. Zangos S., K. Eichler, A. Thalhammer, J. U. Schoepf, P. Costello, C. Herzog, **Mack MG**, T. J. Vogl. MR-guided interventions of the prostate gland. *Minim Invasive Ther Allied Technol* 2007;16:222-229
131. Vogl T. J., T. Lehnert, K. Eichler, D. Proschek, J. Floter, **Mack MG**. Adrenal metastases: CT-guided and MR-thermometry-controlled laser-induced interstitial thermotherapy. *European radiology* 2007;17:2020-2027
132. Meister D., F. Hubner, **Mack MG**, T. J. Vogl. [MR thermometry for laser-induced thermotherapy at 1.5 Tesla]. *Röfo* 2007;179:497-505
133. **Mack MG.**, A. May, S. Bisdas, M. Baghi, T. J. Vogl. [Imaging in inflammatory diseases of the paranasal sinuses]. *Der Radiologe* 2007;47:606-612
134. Baghi M., **Mack MG**, J. Wagenblast, M. Hambek, J. Rieger, S. Bisdas, W. Gstoettner, K. Engels, T. Vogl, R. Knecht. Iron oxide particle-enhanced magnetic resonance

- imaging for detection of benign lymph nodes in the head and neck: how reliable are the results? *Anticancer research* 2007;27:3571-3575
135. Bisdas S., N. Chambron Pinho, A. Smolarz, R. Sader, T. J. Vogl, **Mack MG**. Biphosphonate-induced osteonecrosis of the jaws: CT and MRI spectrum of findings in 32 patients. *Clinical radiology* 2008;63:71-77
 136. Radeloff, A., **Mack, M. G.**, Baghi, M., Gstoettner, W. K., Adunka, O. F. Variance of angular insertion depths in free-fitting and perimodiolar cochlear implant electrodes. *Otol Neurotol* 2008;29:131-13
 137. Proschek D, **Mack MG**, Kurth AA, Proschek P, Martin B, Hansmann ML, Vogl TJ. Radiofrequency ablation of experimental bone metastases in nude rats. *Anticancer Res* 2008; 28:879-885
 138. **Mack MG**, Rieger J, Baghi M, Bisdas S, Vogl TJ. Cervical lymph nodes. *Eur J Radiol* 2008;66:493-500
 139. Westhoff, J., Laurer, H., Wutzler, S., Wyen, H., **Mack, M. G.**, Maier, B., Marzi, I. Interventional emergency embolization for severe pelvic ring fractures with arterial bleeding: Integration into the early clinical treatment algorithm. *Unfallchirurg* 2008;111:821-828
 140. Landes CA, Laudemann K, Sader R, **Mack MG**. Prospective changes to condylar position in symphyseal distraction osteogenesis. *Oral Surg Oral Med Oral Pathol Oral Radiol Endod* 2008;106:163-172
 141. Vogl, T. J., Naguib, N. N., Eichler, K., Lehnert, T., Ackermann, H., **Mack, M. G.** Volumetric evaluation of liver metastases after thermal ablation: long-term results following MR-guided laser-induced thermotherapy. *Radiology* 2008;249:865-871
 142. Bisdas, S., Konstantinou, G., Surlan-Popovic, K., Khoshneviszadeh, A., Baghi, M., Vogl, T. J., Koh, T. S., **Mack, M. G.** Dynamic contrast-enhanced CT of head and neck tumors: comparison of first-pass and permeability perfusion measurements using two different commercially available tracer kinetics models. *Academic radiology* 2008;15:1580-1589
 143. Zangos S, Muller C, Mayer F, Naguib NN, Nour-Eldin NE, Hansmann ML, Herzog C, Hammerstingl RM, Thalhammer A, **Mack M. G.**, Vogl TJ, Eichler K. [Retrospective 5-year analysis of MR-guided biopsies in a low-field MR system]. *Röfo* 2009; 181:658-663.
 144. Vogl TJ, Wissniowski TT, Naguib NN, Hammerstingl RM, **Mack MG**, Munch S, Ocker M, Strobel D, Hahn EG, Hansler J. Activation of tumor-specific T lymphocytes after laser-induced thermotherapy in patients with colorectal liver metastases. *Cancer Immunol Immunother* 2009; 58:1557-1563
 145. Radeloff A, Unkelbach MH, **Mack MG**, Settevendemie C, Helbig S, Mueller J, Hagen R, Mlynski R. A coated electrode carrier for cochlear implantation reduces insertion forces. *Laryngoscope* 2009; 119:959-963
 146. Proschek D, Kurth A, Proschek P, Vogl TJ, **Mack MG**. Prospective pilot-study of combined bipolar radiofrequency ablation and application of bone cement in bone metastases. *Anticancer Res* 2009; 29:2787-2792
 147. Landes CA, Laudemann K, Schubel F, Petruchin O, **Mack MG**, Kopp S, Sader RA. Comparison of tooth- and bone-borne devices in surgically assisted rapid maxillary expansion by three-dimensional computed tomography monitoring: transverse dental and skeletal maxillary expansion, segmental inclination, dental tipping, and vestibular bone resorption. *J Craniofac Surg* 2009; 20:1132-1141
 148. Bisdas S, Rumboldt Z, Wagenblast J, Baghi M, Koh TS, Hambek M, Vogl TJ, **Mack MG**. Response and progression-free survival in oropharynx squamous cell carcinoma

- assessed by pretreatment perfusion CT: comparison with tumor volume measurements. *AJNR Am J Neuroradiol* 2009; 30:793-799
149. Bisdas S, **Mack MG**. [Cerebral nerves - perineural tumor spread]. *Radiologe* 2009; 49:614-623
 150. Bisdas S, Baghi M, Wagenblast J, Thng CH, **Mack MG**, Koh TS, Ernemann U. Tracer kinetics analysis of dynamic contrast-enhanced CT and MR data in patients with squamous cell carcinoma of the upper aerodigestive tract: comparison of the results. *Clin Physiol Funct Imaging* 2009
 151. Helbig S, Helbig M, Rader T, **Mack MG**, Baumann U. Cochlear reimplantation after surgery for electric-acoustic stimulation. *ORL J Otorhinolaryngol Relat Spec* 2009; 71:172-178
 152. Laudemann K, Petruchin O, **Mack MG**, Kopp S, Sader R, Landes CA. Evaluation of surgically assisted rapid maxillary expansion with or without pterygomaxillary disjunction based upon preoperative and post-expansion 3D computed tomography data. *Oral Maxillofac Surg* 2009; 13:159-169.
 153. Seitz O, Chambron-Pinho N, Middendorp M, Sader R, **Mack MG**, Vogl TJ, Bisdas S. 18F-Fluorodeoxyglucose-PET/CT to evaluate tumor, nodal disease, and gross tumor volume of oropharyngeal and oral cavity cancer: comparison with MR imaging and validation with surgical specimen. *Neuroradiology* 2009; 51:677-686.
 154. Landes CA, Laudemann K, Petruchin O, **Mack MG**, Kopp S, Ludwig B, Sader RA, Seitz O. Comparison of bipartite versus tripartite osteotomy for maxillary transversal expansion using 3-dimensional preoperative and postexpansion computed tomography data. *J Oral Maxillofac Surg.* 2009 Oct;67(10):2287-301.
 155. Maier M, Geiger EV, Sellnow L, Schneidmuller D, Vennemann N, **Mack MG**, Marzi I. [Diagnostic approaches to acute knee injury in childhood and adolescence : Yesterday and today.]. *Unfallchirurg* 2010.
 156. Bisdas S, Rumboldt Z, Surlan-Popovic K, Baghi M, Koh TS, Vogl TJ, **Mack MG**. Perfusion CT in squamous cell carcinoma of the upper aerodigestive tract: long-term predictive value of baseline perfusion CT measurements. *AJNR Am J Neuroradiol* 2010; 31:576-581.
 157. Hofstetter C, Scheller B, Hoegl S, **Mack MG**, Zwissler B, Byhahn C. Cuff overinflation and endotracheal tube obstruction: case report and experimental study. *Scand J Trauma Resusc Emerg Med* 2010; 18:18.
 158. Bisdas S, Seitz O, Middendorp M, Chambron-Pinho N, T, Vogl TJ, Hammerstingl R, Ernemann U, **Mack MG**. An exploratory pilot study into the association between microcirculatory parameters derived by MRI-based pharmacokinetic analysis and glucose utilization estimated by PET-CT imaging in head and neck cancer. *Eur Radiol.* 2010 Oct;20(10):2358-66
 159. Zangos S, Eichler K, Thalhammer A, **Mack MG**, Marquardt F, Vogl TJ. MR-Guided Interventions of the Prostate Gland: a Literature Review. *Rofo.* 2010 Nov;182(11):947-53
 160. Nour-Eldin NE, Naguib NN, **Mack MG**, Abskharon JE, Vogl TJ. Pulmonary hemorrhage complicating radiofrequency ablation, from mild hemoptysis to life-threatening pattern. *Eur Radiol.* 2011 Jan;21(1):197-204
 161. Schell B, Bauer RW, Lehnert T, Kerl JM, Hambek M, May A, Vogl TJ, **Mack MG**. Low-dose computed tomography of the paranasal sinus and facial skull using a high-pitch dual-source system-First clinical results. *Eur Radiol.* 2011 Jan;21(1):107-12

162. Eichler K, Zangos S, Thalhammer A, Jacobi V, Walcher F, Marzi I, Moritz A, Vogl TJ, **Mack MG**. CT-guided pericardiocenteses: clinical profile, practice patterns and clinical outcome. *Eur J Radiol*. 2010 Jul;75(1):28-31
163. Zangos S, Melzer A, Eichler K, Sadighi C, Thalhammer A, Bodelle B, Wolf R, Gruber-Rouh T, Proschek D, Hammerstingl R, Müller C, **Mack MG**, Vogl TJ. MR-compatible Assistance System for Biopsy in a High-Field-Strength System: Initial Results in Patients with Suspicious Prostate Lesions. *Radiology*. 2011 Jun;259(3):903-10
164. Helbig S, Settevendemie C, **Mack M**, Baumann U, Helbig M, Stöver T. Evaluation of an Electrode Prototype for Atraumatic Cochlear Implantation in Hearing Preservation Candidates: Preliminary Results From a Temporal Bone Study. *Otol Neurotol*. 2011 Feb 8. [Epub ahead of print]
165. Vogl TJ, Naguib NN, Nour-Eldin NE, **Mack MG**, Zangos S, Abskharon JE, Jost A. Repeated chemoembolization followed by laser-induced thermotherapy for liver metastasis of breast cancer. *AJR Am J Roentgenol*. 2011 Jan;196(1):W66-72
166. Vogl TJ, **Mack MG**, Eichler K, Zangos S, Naguib NN, Gruber-Rouh T. Chemoperfusion and embolization in the treatment of liver metastases. *Rofo*. 2011 Jan;183(1):12-23.
167. Dengler V, Wilde P, Byhahn C, **Mack MG**, Schalk R. Prehospital airway management of laryngeal tubes. Should the laryngeal tube S with gastric drain tube be preferred in emergency medicine? *Anaesthesist*. 2011 Feb;60(2):135-8
168. Tawfik AM, Kerl JM, Bauer RW, Nour-Eldin NE, Naguib NN, Vogl TJ, **Mack MG**. Dual-energy CT of head and neck cancer: average weighting of low- and high-voltage acquisitions to improve lesion delineation and image quality-initial clinical experience. *Invest Radiol*. 2012 May;47(5):306-11
169. Tawfik AM, Razek AA, Elsorogy LG, Soliman NY, Kerl JM, **Mack MG**, Vogl TJ. Perfusion CT of head and neck cancer: effect of arterial input selection. *AJR Am J Roentgenol*. 2011 Jun;196(6):1374-80
170. Tawfik AM, Kerl JM, Razek AA, Bauer RW, Nour-Eldin NE, Vogl TJ, **Mack MG**. Image quality and radiation dose of dual-energy CT of the head and neck compared with a standard 120-kVp acquisition. *AJNR Am J Neuroradiol*. 2011 Dec;32(11):1994-9
171. Proschek D, Tonak M, Kafchitsas K, Zangos S, **Mack MG**, Theisen A, Kurth AA. Direct implantation of VX-2 carcinoma: a new rabbit bone model using a three-dimensional matrix as a carrier for the tumor cells. *Eur Surg Res*. 2011;47(3):154-8
172. Proschek D, Kafchitsas K, Kurth AA, Mattyasovszky SG, Betz S, Ludwig HR, **Mack MG**. The quality of applied bone cement depends on the chemical composition of the application system. *Eur Surg Res*. 2011;47(4):189-95.
173. Maier M, Geiger EV, Sellnow L, Schneidmüller D, Vennemann N, Mack M, Marzi I. Diagnostic approaches to acute knee injury in childhood and adolescence. Yesterday and today. *Unfallchirurg*. 2011 Feb;114(2):141-148
174. Schell B, Eichler K, **Mack MG**, Müller C, Kerl JM, Czerny C, Beeres M, Thalhammer A, Vogl TJ, Zangos S. Robot-assisted biopsies in a high-field MRI system - first clinical results. *Rofo*. 2012 Jan;184(1):42-7.
175. Lehnert T, Naguib NN, Korkusuz H, Bauer RW, Kerl JM, **Mack MG**, Vogl TJ. Image-quality perception as a function of dose in digital radiography. *AJR Am J Roentgenol*. 2011 Dec;197(6):1399-403.
176. Vogl TJ, Jost A, Nour-Eldin NA, **Mack MG**, Zangos S, Naguib NN. Repeated transarterial chemoembolisation using different chemotherapeutic drug combinations followed by MR-guided laser-induced thermotherapy in patients with liver metastases of colorectal carcinoma. *Br J Cancer*. 2012 Mar 27;106(7):1274-9.

177. Vogl TJ, Huebner F, Naguib NN, Bauer RW, **Mack MG**, Nour-Eldin NE, Meister D. MR-based thermometry of laser induced thermotherapy: temperature accuracy and temporal resolution in vitro at 0.2 and 1.5 T magnetic field strengths. *Lasers Surg Med*. 2012 Mar;44(3):257-65.
178. Eichler K, Zangos S, **Mack MG**, Hammerstingl R, Gruber-Rouh T, Gallus C, Vogl TJ. First human study in treatment of unresectable liver metastases from colorectal cancer with irinotecan-loaded beads (DEBIRI). *Int J Oncol*. 2012 Oct;41(4):1213-20.
179. Eichler K, Zangos S, Gruber-Rouh T, Vogl TJ, **Mack MG**. Magnetic resonance-guided laser-induced thermotherapy in patients with oligonodular hepatocellular carcinoma: long-term results over a 15-year period. *J Clin Gastroenterol*. 2012 Oct;46(9):796-801.
180. Walcher F, Scheller B, Heringer F, **Mack MG**, Rüsseler M, Wutzler S, Wyen H, Schalk R, Eichler K, Byhahn C, Müller MP, Breikreutz R, Marzi I. TEAM®-G (Trauma Evaluation and Management Germany). Serves as a basis for an interdisciplinary training in the emergency room. *Unfallchirurg*. 2013 Jul;116(7):602-609.
181. Wichmann JL, Beeres M, Borchard BM, Naguib NN, Bodelle B, Lee C, Zangos S, Vogl TJ, **Mack MG**, Eichler K. Evaluation of MRI T1-based treatment monitoring during laser-induced thermotherapy of liver metastases for necrotic size prediction. *Int J Hyperthermia*. 2014 Feb;30(1):19-26.
182. Eichler K, Zangos S, **Mack MG**, Marzi I, Vogl TJ. Outcome of long-axis percutaneous sacroplasty for the treatment of sacral insufficiency fractures with a radiofrequency-induced, high-viscosity bone cement. *Skeletal Radiol*. 2014 Apr;43(4):493-8.
183. Eichler K, Zangos S, Gruber-Rouh T, Vogl TJ, **Mack MG**. MR-guided laser-induced thermotherapy (LITT) in patients with liver metastases of uveal melanoma. *J Eur Acad Dermatol Venereol*. 2014 Dec;28(12):1756-60
184. Bethge LS, Ballon A, **Mack MG**, Landes C. Intraoperative condyle positioning by sonographic monitoring in orthognathic surgery verified by MRI. *J Craniomaxillofac Surg*. 2015 Jan;43(1):71-80
185. Fischer S, Vogl TJ, Marzi I, Zangos S, Wichmann JL, Scholtz JE, **Mack MG**, Schmidt S, Eichler K. Percutaneous cannulated screw fixation of sacral fractures and sacroiliac joint disruptions with CT-controlled guidewires performed by interventionalists: Single center experience in treating posterior pelvic instability *Eur J Radiol*. 2015 Feb;84(2):290-4
186. Eichler K, Marzi I, Wyen H, Zangos S, **Mack MG**, Vogl TJ. Multidetector computed tomography (MDCT): simple CT protocol for trauma patient. *Clin Imaging*. 2015 Jan-Feb;39(1):110-5
187. Fischer S, Vogl TJ, Kresing M, Marzi I, Zangos S, Mack MG, Eichler K. Minimally invasive screw fixation of fractures in the thoracic spine: CT-controlled pre-surgical guidewire implantation in routine clinical practice. *Clin Radiol*. 2016 Oct;71(10):997-1004
188. Baumbach SF, Braunstein M, Mack MG, Maßen F, Böcker W, Polzer S, Polzer H. Ansatznahe Erkrankungen der Achillessehne: Differenzierte Diagnostik und Therapie, *Unfallchirurg*. 2017 Dec;120(12):1044-1053.
189. Mack, MG, Braun, V. Schmerztherapie an der Wirbelsäule *Sportärztezeitung* 02/2018.
190. Mack, M.G., Regier M Muskelverletzungen der Leistenregion einschließlich apophysärer Verletzungen *Radiologe*. 2019 Mar;59(3):212-217.

Buchkapitel

1. Vogl T. J., **Mack, M. G.**, J. O. Balzer, M. Juergens, T. F. Jacobsen: MR-Tomographie und MR Angiographie der Schädelbasis: Wertigkeit von Fettunterdrückungstechniken und hochdosiertem Einsatz eines nichtionischen Kontrastmittels, Referatebuch MR '93, 5. Internationales Kernspintomographie Symposium, Garmisch-Partenkirchen 27.-31.01.1993. Edited by Lissner J, Doppman JL, Margulis AR, Schnetztor-Verlag GmbH Konstanz, Germany, 1993, pp 291-296
2. Vogl T. J., P. Müller, N. Weinhold, R. Hammerstingl, **Mack, M. G.**, H. Böttcher, C. Philipp, R. Felix: MR-guided laser induced thermotherapy (LITT) of liver metastases, Laser-induced Interstitial Thermotherapy. Edited by Müller G, Roggan A, SPIE, 1995, pp 477-492
3. Vogl T. J., **Mack, M. G.**: Bildgebende Diagnostik von Tumoren der mittleren Schädelbasis, der Felsenbeine und des Kleinhirnbrückenwinkels, conscientia diagnostica: Bildgebende Diagnostik bei Tumoren der Kopf-Hals-Region. Edited by Vogl TJ, Mäurer J, Felix R. Konstanz, Schnetztor-Verlag GmbH, 1996, pp 32-57
4. Roggan A., I. Mesecke-von-Rheinbaben, V. Knappe, T. J. Vogl, **Mack, M. G.**, C. Germer, D. Albrecht, G. Müller. Applikatorentwicklung und Bestrahlungsplanung bei der laserinduzierten Thermotherapie (LITT). Biomed-Tech-Berl. 42 (1997) 332-333
5. Vogl T. J., **Mack, M. G.**: Interstitial laser therapy of liver lesions, Interventional Magnetic Resonance Imaging. Edited by Debatin JF, Adam G. Berlin, Heidelberg, New York, Tokyo, Springer Verlag, 1997, pp 229-233
6. **Mack, M. G.**, T. J. Vogl: Interstitial laser therapy of head and neck lesions, Interventional Magnetic Resonance Imaging. Edited by Debatin JF, Adam G. Berlin, Heidelberg, New York, Tokyo, Springer Verlag, 1997, pp 223-228
7. **Mack, M. G.**, T. J. Vogl, P. Müller, R. Straub, A. Roggan, U. Bockmühl, R. Felix: Laser-induced thermotherapy of head and neck tumors, Laser in der Medizin/in Medicine. Edited by Waidelich W, Waidelich R, Waldschmidt J. Berlin, Heidelberg, New York, Springer Verlag, 1998, pp 207-210
8. Vogl T. J., **Mack, M. G.**, P. Müller, A. Roggan, V. Jahnke, R. Felix: Laser ablation of tumors of the head and neck, Interventional MR: Techniques and clinical Experience. Edited by Young IR, Jolecz FA. London, Martin Dunitz Publishers, 1998, pp 239-254
9. Vogl T. J., **Mack, M. G.**, R. Straub, A. Fusan, W.-R. Scholz, A. Roggan, R. Felix: MR-guided laserinduced thermotherapy of liver metastases, Laser in der Medizin/in Medicine. Edited by Waidelich W, Waidelich R, Waldschmidt J. Berlin, Heidelberg, New York, Springer Verlag, 1998, pp 194-197
10. Vogl T. J., P. Müller, N. Weinhold, **Mack, M. G.**, C. Philipp, R. Felix: Laser ablation of the liver and the pelvis, Interventional MR: Techniques and clinical Experience. Edited by Young IR, Jolecz FA. London, Martin Dunitz Publishers, 1998, pp 297-318
11. Pegios W., T. J. Vogl, M. Hünerbein, **Mack, M. G.**: Diagnosis and staging of rectal carcinoma by magnetic resonance imaging, Neoplasms of the digestive tract. Edited by Meyer MA. Philadelphia, New York, Lippincott-Raven, 1998, pp 269-276
12. Borges A., P. Villablanca, D. Castro, E. Abdemayor, J. Sercarz, Y. Anzai, T. J. Vogl, **Mack, M. G.**, R. B. Lufkin: Interventional magnetic resonance imaging in the head and neck, Open Field Magnetic Resonance Imaging. Edited by Grönemeyer DHW, Lufkin RB. Heidelberg, Springer-Verlag, 1999

13. Vogl T. J., **Mack, M. G.**: Clinical uses of MR-guided laser ablation of the liver, *Interventional MRI*. Edited by Lufkin RB. St. Louis, Baltimore, Boston, New York, Mosby, Inc., 1999, pp 356-365
14. **Mack, M. G.**, T. J. Vogl: Interstitial laser therapy of head and neck lesions, *Interventional MRI*. Edited by Lufkin RB. St. Louis, Baltimore, Boston, New York, Mosby, Inc., 1999, pp 309-314
15. Vogl T. J., **Mack, M. G.**, R. Straub, K. Engelmann, P. K. Müller: Aktuelle Therapieansätze bei Lebermetastasen mittel Lasertechnologie, *Neuerungen in der Onkologie: Utopie oder Wirklichkeit*. Edited by Clemm C, Gutschow K. München, Bern, Wien, New-York, W. Zuckschwerdt, 1999, pp 51-56
16. **Mack, M. G.**, K. Eichler, R. Straub, D. Woitaschek, M. Böttger, J. O. Balzer, O. Söllner, T. J. Vogl: MR-guided laser induced interstitial thermotherapy (LITT) of malignant liver lesions, 14th World Congress of the International Society for Laser Surgery and Medicine. Edited by Rau PBK. Chennai, Madras, India, Monduzzi Editore, 2001, pp 145-150
17. Lorenz M., S. W. Sahm, **Mack, M. G.**, T. J. Vogl: Lebermetastasen, *Therapie von Leber- und Gallekrankheiten*. Edited by Caspary WF, Leuschner U, Zeuzem S. Berlin, Heidelberg, New York, Springer-Verlag, 2001, pp 377-390
18. Vogl, T. J., **Mack, M. G.**: Diagnostik und Radiologische Therapie von Lebertumoren, *Krebs Was nun?* Edited by Günther H. Singen, 2001, pp 421-436
19. Vogl, T. J., **Mack, M. G.**, R. Straub, K. Eichler: Laserinduzierte Thermotherapie (LITT) - Überlebensraten, Komplikationen und Therapiekonzepte, *Lebermetastasen: Diagnose - Intervention - Therapie*. Edited by Vogl TJ, **Mack, M. G.**, Balzer JO. Berlin, Heidelberg, New York, Springer Verlag, 2001, pp 252-260
20. Vogl, T. J., **Mack, M. G.**, R. Straub, K. Eichler, K. Engelmann, S. Zangos, S. Hess, A. Roggan: Interstitial laser treatment of liver and soft tissue, *Applied laser medicine*. Edited by Berlien HP, 2001
21. Vogl, T. J., **Mack, M. G.**, R. Straub, K. Eichler, S. Zangos: Interventionelle Therapie von Lebermetastasen - gestern, heute, morgen, *Lebermetastasen: Diagnose - Intervention - Therapie*. Edited by Vogl TJ, **Mack, M. G.**, Balzer JO. Berlin, Heidelberg, New York, Springer Verlag, 2002, pp 28-42
22. Vogl, T. J., **Mack, M. G.**, R. Straub, K. Eichler, S. Zangos, D. Woitaschek, M. Böttger: Laserablation of malignant liver tumors, *Milleniumbook on Laser*, 2001, pp 520-538
23. Balzer, J. O., **Mack, M. G.**, S. Zangos, G. Bett, A. Oppelt, T. J. Vogl: MR-gesteuerte vaskuläre Interventionen an einem DSA-MR-Hybridssystem, *Lebermetastasen: Diagnose - Intervention - Therapie*. Edited by Vogl TJ, **Mack, M. G.**, Balzer JO. Berlin, Heidelberg, New York, Springer Verlag, 2002, pp 325-332
24. Lorenz, M., S. W. Sahm, **Mack, M. G.**, T. J. Vogl: Lebermetastasen, *Therapie von Leber- und Gallekrankheiten*. Edited by Caspary WF, Leuschner U, Zeuzem S. Berlin, Heidelberg, New York, Springer-Verlag, 2002, pp 377-390
25. **Mack, M. G.** R. Straub, K. Eichler, D. Woitaschek, M. Böttger, H. Lotz, A. Roggan, T. J. Vogl
Laserinduzierte interstitielle Thermotherapie (LITT) – Technik, Indikation und lokale Tumorkontrolle. In *LeberMetastasen*, Hrsg. Vogl, Mack, Balzer, Springer Verlag 2002
26. Vogl T. J., **M. G. Mack**
Mittlere Schädelbasis und Felsenbein. In *Handbuch der Radiologie*, Editor Freyschmidt, 2002, pp 41-95

27. **Mack, M. G.**, Vogl T. J.
Nasopharynx und Parapharyngealraum. In Handbuch der Radiologie, Editor Freyschmidt, 2002, pp 97-138
28. Vogl T.J., R. Straub, K. Eichler, S. Zangos, **M. G. Mack**.
Percutaneous Laser therapy of Primary and Secondary Liver tumors and soft tissue lesions: technical concepts, limitations, results and indications. In Tumor Ablation, Editors: E. vanSonnenberg, W. McMullen, L. Solbiati, Springer Verlag 2005, pp. 234-249
29. **Mack, M. G.**, T. J. Vogl
Multislice Computed Tomography of the Head and Neck. In Multislice CT, Editors: F. Knollmann, F. V. Coakley, Saunders Elsevier, 2006, pp 20-34
30. Vogl, T.J., K. Eichler, **M.G. Mack**, I. Marzi, C. Fiebig. Radiologische Diagnostik beim Polytrauma. In H.-J. Oesten: Das Polytrauma – Präklinisches und klinisches Management. Urban & Fischer, 2008, S 70-85.
31. Vogl TJ, K. Eichler, T. Lehnert, **M.G. Mack**, D. Meister. Temperature mapping for MR-guided LITT. In Mahnken and Ricke, CT- and MR-guided Interventions in Radiology, Springer Verlag 2009, S 218-230
32. **Mack M.G.** Laser Ablation – Liver and beyond. In Mahnken and Ricke, CT- and MR-guided Interventions in Radiology, Springer Verlag 2009, S 218-230
33. Vogl, T.J., R. Straub, K. Eichler, T. Lehnert, S. Zangos, **M.G. Mack**, MR-gesteuerte laserinduzierte Thermotherapie (LITT) zur minimalinvasiven Therapie von Lebertumoren. In Birth, Ittel, Pereira: Hepatobiliäre und Pankreastumoren – Interdisziplinäre Vorgehen, Springer Verlag 2010, S 340-345

Bücher

1. Vogl T. J., J. O. Balzer, **Mack, M. G.**, W. Steger: Radiologische Differentialdiagnostik in der Kopf-Hals-Region. Stuttgart, New York, Thieme Verlag, 1998
2. Vogl T. J., J. O. Balzer, **Mack, M. G.**, W. Steger: Differential diagnosis in head and neck imaging. Stuttgart, New York, Georg Thieme Verlag, 1999
3. Vogl T. J. H., J. O. Balzer, C. Bergman, F. Beutel, T. Diebold, R. Hammerstingl, R. Hausmann, Y. Hoffmann, M. Juergens, **Mack, M. G.**, W. Pegios, H. Schedel: MR-Angiographie und MR-Tomographie des Gefäßsystems: Klinische Diagnostik, . Berlin, Heidelberg, New-york, London, Paris, Tokyo, Hong Kong, Barcelona, Budapest, Springer-Verlag, 1995
4. Vogl, T. J., **Mack, M. G.**, J. O. Balzer: Lebermetastasen: Diagnose - Intervention - Therapie. Berlin, Heidelberg, New York, Springer-Verlag, 2001
5. Vogl TJ, Balzer JO, **Mack, M. G.**, Steger W. Diagnostico Diferencial por Imagem da Cabeça e Pescoco. Livaria e editora Revinter Ltda. 381 Seiten
6. Vogl TJ, **Mack, M. G.**, Balzer JO. Lebermetastasen. Springer Verlag 2002.
7. Vogl, Th.J.; Helmberger, Th.; **Mack, M.G.**; Reiser, M.F. (Eds.) Percutaneous Tumor Ablation in Medical Radiology, 2007,, 280 illus., 37 in colour, Hardcover ISBN: 978-3-540-22518-8, Springer Verlag

Wissenschaftliche Gutachtertätigkeit

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März 2008

Best scientific paper award, ECR 2008 für die Präsentation mit dem Titel „Pedicule screw placement in trauma patients with unstable fractures of the thoracic spine using CT-assistance“

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1st Prize for the Best Oral Presentation at the 23rd Annual Meeting of the European Society of Head and Neck Radiology
The association between microcirculation and glucose utilization in head and neck cancer
S. Bisdas, P. S. Mautz, O. Seitz, M. Middendorp, **M. Mack**, U. Ernemann/D

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