

Ao. Univ. Prof. Dr. med. univ. Reto Bale

I. ORIGINAL PAPERS:

FIRST AUTHOR

Bale R, Putzer D, Schullian P.

Local Treatment of Breast Cancer Liver Metastasis.

Cancers (Basel). 2019 Sep 11;11(9). pii: E1341. doi: 10.3390/cancers11091341. Review.

Bale R, Schullian P, Eberle G, Putzer D, Zoller H, Schneeberger S, Manzl C, Moser P, Oberhuber G.

Stereotactic Radiofrequency Ablation of Hepatocellular Carcinoma: a Histopathological Study in Explanted Livers.

Hepatology. 2019 Sep;70(3):840-850.

Bale R, Richter M, Dünser M, Levy E, Buchberger W, Schullian P.

Stereotactic Radiofrequency Ablation for Breast Cancer Liver Metastases.

J Vasc Interv Radiol. 2017 Dec 19. pii: S1051-0443(17)30911-9. doi: 10.1016/j.jvir.2017.09.027.

Bale R, Schullian P, Schmuth M, Widmann G, Jaschke W, Weinlich G.

Stereotactic Radiofrequency Ablation for Metastatic Melanoma to the Liver.

Cardiovasc Intervent Radiol. 2016 Aug;39(8):1128-35.

Bale R

[Ganglion block : When and how?]

Radiologe. 2015 Oct;55(10):886-95.

Bale R, Schullian P, Haidu M, Widmann G.

Stereotactic Radiofrequency Ablation (SRFA) of intrahepatic cholangiocellular carcinomas: a minimal invasive alternative to liver resection].

Wien Med Wochenschr. 2013 Mar;163(5-6):128-31

Bale R, Widmann G, Jaschke W.

Stereotaxy and robotics for ablation - toy or tool?

Radiologe. 2012 Jan;52(1):56-62.

Bale R, Widmann G, Jaschke W.

Navigated open, laparoscopic, and percutaneous liver surgery.

Minerva Chir. 2011 Oct;66(5):435-53.

Bale R, Widmann G, Schullian P, Haidu M, Pall G, Klaus A, Weiss H, Biebl M, Margreiter R.

Percutaneous Stereotactic Radiofrequency Ablation of Colorectal Liver Metastases

Eur Radiol. 2012 Apr;22(4):930-7.

Bale R, Widmann G.

Can stereotactic radiofrequency ablation replace liver resection?
Magazine of European Medical Oncology 2011; 4(2):82-85

Bale R, Widmann G, Stoffner DI.
Stereotaxy: Breaking the limits of current radiofrequency ablation techniques.
Eur J Radiol. 2010 Jul;75(1):32-6.

Bale R, Widmann G, Haidu M.
Stereotactic Radiofrequency Ablation.
Cardiovasc Intervent Radiol. 2011 Aug;34(4):852-6.

Bale R, Widmann G.
Navigated CT- guided interventions.
Minim Invasive Ther Allied Technol. 2007;16(4):196- 204.

Bale RJ, Kovacs P, Dolati B, Hinterleithner C, Rosenberger RE.
Stereotactic CT- guided percutaneous stabilization of posterior pelvic ring fractures- a pre- clinical cadaver study.
J Vasc Interv Radiol. 2008 Jul;19(7):1093- 1098.

Bale RJ, Laimer I, Martin A, Schlager A, Mayr C, Rieger M, Czermak BV, Kovacs P, Widmann G.
Frameless stereotactic cannulation of the foramen ovale for ablative treatment of trigeminal neuralgia.
Neurosurgery. 2006 Oct;59(4 Suppl. 2):ONS394- 401; discussion ONS402.

Bale RJ, Lottersberger C, Vogele M, Prassl A, Czermak B, Dessl A, Sweeney RA, Waldenberger P, Jaschke W.
A novel vacuum device for extremity immobilisation during digital angiography: preliminary clinical experiences.
Eur Radiol. 2002 Dec;12(12):2890- 4.

Bale RJ, Hoser C, Rosenberger R, Rieger M, Benedetto KP, Fink C.
Osteochondral lesions of the talus: computer- assisted retrograde drilling- feasibility and accuracy in initial experiences.
Radiology. 2001 Jan;218(1):278- 82.

Bale RJ, Burtscher J, Eisner W, Obwegeser AA, Rieger M, Sweeney RA, Dessl A, Giacomuzzi SM, Twerdy K, Jaschke W.
Computer- assisted neurosurgery by using a noninvasive vacuum- affixed dental cast that acts as a reference base: another step toward a unified approach in the treatment of brain tumors.
J Neurosurg. 2000 Aug;93(2):208- 13.

Bale RJ, Freysinger W, Gunkel AR, Vogele M, Sztankay A, Auer T, Eichberger P, Martin A, Auberger T, Scholtz AW, Jaschke W, Thumfart WF, Lukas P.
Head and neck tumors: fractionated frameless stereotactic interstitial brachytherapy- initial experience.
Radiology. 2000 Feb;214(2):591- 5.

Bale RJ, Vogele M, Rieger M, Buchberger W, Lukas P, Jaschke W.
A new vacuum device for extremity immobilization.
AJR Am J Roentgenol. 1999 Apr;172(4):1093- 4.

Bale RJ, Freysinger W, Martin A, Vogele M, Auer T, Eichberger P, Hensler E, Sztankay A, Auberger T, Gunkel AR, Thumfart WF, Lukas P.
First experiences with computer- assisted frameless stereotactic interstitial brachytherapy (CASIB)
Strahlenther Onkol. 1998 Sep;174(9):473- 7.

Bale RJ, Sweeney R, Vogele M, Nevinny M, Auer T, Bluhm A, Thumfart WF, Lukas P.
Noninvasive head fixation for external irradiation of tumors of the head- neck area
Strahlenther Onkol. 1998 Jul;174(7):350- 4.

Bale RJ, Vogele M, Martin A, Auer T, Hensler E, Eichberger P, Freysinger W, Sweeney R, Gunkel AR, Lukas PH.
VBH head holder to improve frameless stereotactic brachytherapy of cranial tumors.
Comput Aided Surg. 1997;2(5):286- 91.

SENIOR AUTHOR / CORRESPONDING AUTHOR

Hackl W, Riedl J, Reichkandler M, Benedetto KP, Freund M, Bale R.
Preoperative computerized tomography diagnosis of fractures of the tibial plateau.
Unfallchirurg. 2001 Jun;104(6):519- 23.

Haidu M, Dobrozemsky G, Schullian P, Widmann G, Klaus A, Weiss H, Margreiter R, Bale R.
Stereotactic Radiofrequency Ablation of Unresectable Intrahepatic Cholangiocarcinomas.
Cardiovasc Intervent Radiol. 2012 Oct;35(5):1074-82. Epub 2011 Oct 18.

Henninger B, Putzer D, Kendler D, Uprimny C, Virgolini IJ, Gunsilius E, Bale R.
Diagnostic value of software-based-image-fusion of computed tomography and F18-FDG-Pet scans in
patients with malignant lymphoma
ScientificWorldJournal. 2012;2012:821694. Epub 2012 May 2.

Hetzer B, Vogel GF, Entenmann A, Heil M, Schullian P, Putzer D, Meister B,
Crazzolaro R, Kropshofer G, Salvador C, Straub S, Karall D, Niederwanger C,
Cortina G, Janecke A, Freund-Unsinn K, Maurer K, Schweigmann G, Oberhuber G,
Renz O, Schneeberger S, Müller T, Bale R. Stereotactic radiofrequency ablation
of a variety of liver masses in children. Int J Hyperthermia.
2020;37(1):1074-1081.

Karall D, Scholl-Bürgi S, Widmann G, Albrecht U, Niedermayr K, Maurer K, Ausserer B, Huemer M,
Bale R.
Stereotactic radiofrequency ablation for liver tumors in inherited metabolic disorders.
Cardiovasc Intervent Radiol. 2014 Aug;37(4):1027-33.

Laimer G, Jaschke N, Gottardis M, Schullian P, Putzer D, Sturm W, Bale R.
Stereotactic Radiofrequency Ablation of an Unresectable Intrahepatic
Cholangiocarcinoma (ICC): Transforming an Aggressive Disease into a Chronic
Condition. Cardiovasc Intervent Radiol. 2020 May;43(5):791-796. doi:
10.1007/s00270-020-02443-3.

Laimer G, Schullian P, Jaschke N, Putzer D, Eberle G, Alzaga A, Odisio B, Bale
R. Minimal ablative margin (MAM) assessment with image fusion: an independent
predictor for local tumor progression in hepatocellular carcinoma after
stereotactic radiofrequency ablation. Eur Radiol. 2020 Jan 30. doi:

10.1007/s00330-019-06609-7. [Epub ahead of print] PubMed PMID: 32002642.

Lederer W, Wiedermann F, Bale R.

Pericyst radiofrequency ablation treatment for hepatic alveolar echinococcosis: a case report and review of the literature

Infectious Diseases in Clinical Practice 2011 (accepted)

Niederwanger C, Widmann G, Knoflach M, Schullian P, Hoermann R, Bale R.

Kirschner wire placement in scaphoid bones using intraoperative CT-guided stereotaxy.

Minim Invasive Ther Allied Technol. 2013 Jun;22(3):165-70.

Ortler M, Widmann G, Trinka E, Fiegele T, Eisner W, Twerdy K, Walser G, Dobesberger J, Unterberger I, Bale R.

Frameless stereotactic placement of foramen ovale electrodes in patients with drug- refractory temporal lobe epilepsy.

Neurosurgery. 2008 May;62(5 Suppl. 2):ONS481- 8; discussion ONS488- 9.

Ortler M, Trinka E, Dobesberger J, Bauer R, Unterhofer C, Twerdy K, Walser G, Unterberger I, Donnemiller E, Gotwald T, Widmann G, Bale R.

Integration of Multimodality Imaging and Surgical Navigation in the Management of Patients with Refractory Epilepsy. A Pilot Study Using a New Minimally Invasive Reference and Head- fixation System

Acta Neurochir (Wien). 2010 Feb;152(2):365-78.

Oyarzun C, Wesarg S, Bale R

Accurate physics-based registration for the outcome validation of minimal invasive interventions and open liver surgeries.

IEEE Trans Biomed Eng. 2017 Feb;64(2):362-371

Ortler M, Unterhofer C, Bauer R, Dobesberger J, Trinka E, Bale R.

Flexibility of head positioning and head fixation provided by a novel system for non- invasive maxillary fixation and frameless stereotaxy: technical note.

Minim Invasive Neurosurg. 2009 Jun;52(3):144- 8.

Ortler M, Sohm F, Eisner W, Bauer R, Dobesberger J, Trinka E, Widmann G, Bale R.

Frame-based vs. Frameless Placement of Intrahippocampal Depth Electrodes in Patients with Refractory Epilepsy - A Comparative in Vivo (Application) Study.

Neurosurgery. 2011 Apr;68(4):881-7; discussion 887.

Profanter C, Prommegger R, Gabriel M, Moncayo R, Wetscher GJ, Lang T, Bale R.

Computed axial tomography- MIBI image fusion for preoperative localization in primary hyperparathyroidism.

Am J Surg. 2004 Mar;187(3):383- 7.

Putzer D, Arco D, Schamberger B, Schanda F, Mahlkecht J, Widmann G, Schullian P, Jaschke W, Bale R. Comparison of Two Electromagnetic Navigation Systems For CT-Guided Punctures: A Phantom Study.

Rofo. 2016 May;188(5):470-8. doi:10.1055/s-0042-103691. Epub 2016 Apr 13.

Putzer D, Henninger B, Kovacs P, Uprimny C, Kendler D, Jaschke W, Bale RJ.

Accuracy and feasibility of three different methods for software-based image fusion in whole-body PET and CT.

Q J Nucl Med Mol Imaging. 2016 Jun;60(2):172-81.

Putzer D, Schullian P, Braunwarth E, Fodor M, Primavesi F, Cardini B, Resch T, Oberhuber R, Maglione M, Margreiter C, Schneeberger S, Stättner S, Öfner-Velano D, Jaschke W, Bale RJ. Integrating interventional oncology in the treatment of liver tumors. Eur Surg. 2018;50(3):117-124.

Putzer D, Schullian P, Jaschke W, Bale R. NEN: Advancement in Diagnosis and Minimally Invasive Therapy. Rofo. 2019 Nov 20. doi: 10.1055/a-1030-4631.

Putzer D, Schullian P, Bale R. Locoregional ablative treatment of melanoma metastases. Int J Hyperthermia. 2019 Oct;36(2):59-63.

Rosenberger RE, Dolati B, Larndorfer R, Blauth M, Krappinger D, Bale RJ. Accuracy of minimally invasive navigated acetabular and iliosacral fracture stabilization using a targeting and noninvasive registration device. Arch Orthop Trauma Surg. 2010 Feb;130(2):223-0

Rosenberger RE, Bale RJ, Kneisl C, Krappinger D, Knoflach M, Attal R. Two-dimensional fluoroscopic navigation in posterior cruciate ligament reconstruction: a preclinical cadaver study. Arch Orthop Trauma Surg. 2010 Aug;130(8):971-6.

Schullian P, Johnston E, Laimer G, Putzer D, Eberle G, Westerlund P, Henninger B, Bale R. Thermal ablation of CT 'invisible' liver tumors using MRI fusion: a case control study. Int J Hyperthermia. 2020;37(1):564-572. doi: 10.1080/02656736.2020.1766705.

Schullian P, Putzer D, Eberle G, Laimer G, Bale R. Simultaneous Stereotactic Radiofrequency Ablation of Multiple (≥ 4) Liver Tumors: Feasibility, Safety, and Efficacy. J Vasc Interv Radiol. 2020 Jun;31(6):943-952. doi: 10.1016/j.jvir.2019.12.794. Epub 2020 May 12.

Schullian P, Widmann G, Lang TB, Knoflach M, Bale R. Accuracy and diagnostic yield of CT-guided stereotactic liver biopsy of primary and secondary liver tumors. Comput Aided Surg. 2011;16(4):181-7. doi: 10.3109/10929088.2011.578367.

Schullian P, Weiss H, Klaus A, Widmann G, Kranewitter C, Mittermair C, Margreiter R, Bale R. Laparoscopic liver packing to protect surrounding organs during thermal ablation. Minim Invasive Ther Allied Technol. 2014 Oct;23(5):294-301.

Schullian P, Putzer D, Laimer G, Levy E, Bale R. Feasibility, safety, and long-term efficacy of stereotactic radiofrequency ablation for tumors adjacent to the diaphragm in the hepatic dome: a case-control study. Eur Radiol. 2019 Sep 5. doi: 10.1007/s00330-019-06399-y.

Schullian P, Johnston EW, Putzer D, Eberle G, Laimer G, Bale R. Stereotactic radiofrequency ablation of subcardiac hepatocellular carcinoma: a case-control study. Int J Hyperthermia. 2019;36(1):876-885.

Schullian P, Putzer D, Silva MA, Laimer G, Kolbitsch C, Bale R.
Stereotactic Radiofrequency Ablation of Liver Tumors in Octogenarians.
Front Oncol. 2019 Sep 19;9:929. doi: 10.3389/fonc.2019.00929. eCollection 2019.

Schullian P, Laimer G, Putzer D, Effenberger M, Bale R.
Stereotactic radiofrequency ablation of primary liver tumors in the caudate lobe.
HPB (Oxford). 2019 Oct 4. pii: S1365-182X(19)30720-8.

Schullian P, Laimer G, Putzer D, Levy E, Braunwarth E, Stättner S, Bale R.
Stereotactic radiofrequency ablation as first-line treatment of recurrent HCC
following hepatic resection. Eur J Surg Oncol. 2020 Mar 19. pii:
S0748-7983(20)30354-1. doi: 10.1016/j.ejso.2020.03.207. [Epub ahead of print]
PubMed PMID: 32222261.

Schullian P, Johnston EW, Putzer D, Eberle G, Laimer G, Bale R. Safety and
efficacy of stereotactic radiofrequency ablation for very large (≥ 8 cm) primary
and metastatic liver tumors. Sci Rep. 2020 Jan 31;10(1):1618. doi:
10.1038/s41598-020-58383-y. PubMed PMID: 32005871; PubMed Central PMCID:
PMC6994461.

Schullian P, Johnston EW, Putzer D, Laimer G, Waroschitz G, Braunwarth E,
Amann A, Maglione M, Bale R. Stereotactic radiofrequency ablation (SRFA) for
recurrent colorectal liver metastases after hepatic resection. Eur J Surg Oncol.
2020 Oct 1:S0748-7983(20)30806-4. doi: 10.1016/j.ejso.2020.09.034. Epub ahead of
print. PMID: 33032865.

Schullian P, Gertl A, Laimer G, Putzer D, Siebert U, Levy E, Bale R. Quality
of life analysis after stereotactic radiofrequency ablation of liver tumors. Sci
Rep. 2020 Jul 30;10(1):12809. doi: 10.1038/s41598-020-69331-1. PMID: 32732877;
PMCID: PMC7393379.

Stoffner R, Augschöll C, Widmann G, Böhler D, Bale R.
Accuracy and Feasibility of Frameless Stereotactic and Robot- assisted CT- based Puncture in
Interventional Radiology: A Comparative Phantom Study
Rofo. 2009 Sep;181(9):851- 8.

Stoffner R, Kremser C, Schullian P, Haidu M, Widmann G, Bale R
Multipolar Radiofrequency Ablation using 4 to 6 Applicators Simultaneously: A Study in the ex vivo
Bovine Liver
Eur J Radiol. 2012 Oct;81(10):2568-75. doi: 10.1016/j.ejrad.2011.10.031. Epub 2012 Jan 31.

Widmann G, Fasser M, Schullian P, Zangerl A, Puelacher W, Kral F, Riechelmann H, Jaschke W, Bale R
Substantial dose reduction in modern multi slice spiral computed tomography (MSCT) guided
craniofacial and skull base surgery.
Rofo. 2012 Feb;184(2):136-142.

Widmann G, Widmann R, Widmann E, Jaschke W, Bale R.
Use of a surgical navigation system for CT- guided template production.
Int J Oral Maxillofac Implants. 2007 Jan- Feb;22(1):72- 8.

Widmann G, Bale RJ.

Accuracy in computer- aided implant surgery- a review.
Int J Oral Maxillofac Implants. 2006 Mar- Apr;21(2):305- 13.

Widmann G, Widmann R, Widmann E, Jaschke W, Bale RJ.

In vitro accuracy of a novel registration and targeting technique for image- guided template production.

Clin Oral Implants Res. 2005 Aug;16(4):502- 8.

Widmann G, Eisner W, Kovacs P, Fiegele T, Ortler M, Lang TB, Bale R.

Accuracy and clinical use of a novel aiming device for frameless stereotactic brain biopsy.
Minim Invasive Neurosurg. 2008 Dec;51(6):361- 9.

Widmann G, Stoffner R, Keiler M, Zangerl A, Widmann R, Puelacher W, Bale R.

A laboratory training and evaluation technique for computer- aided oral implant surgery.
Int J Med Robot. 2009 Sep;5(3):276- 83.

Widmann G, Widmann R, Stoffner R, Widmann E, Rieger T, Remensberger S, Grubwieser G, Puelacher W, Bale R.

Multipurpose navigation system- based concept for surgical template production.
J Oral Maxillofac Surg. 2009 May;67(5):1113- 20.

Widmann G, Stoffner R, Bale R.

Errors and error management in image- guided craniomaxillofacial surgery.
Oral Surg Oral Med Oral Pathol Oral Radiol Endod. 2009 May;107(5):701- 15.

Widmann G, Stoffner R, Sieb M, Bale R.

Target registration and target positioning errors in computer- assisted neurosurgery: proposal for a standardized reporting of error assessment.

Int J Med Robot. 2009 Dec;5(4):355- 65. Review.

Widmann G, Bodner G, Bale R.

Tumour ablation: technical aspects.
Cancer Imaging. 2009 Oct 2;9 Spec No A:S63- 7.

Widmann G, Stoffner R, Schullian P, Widmann R, Keiler M, Zangerl A, Puelacher W, Bale RJ.

Comparison of the accuracy of invasive and noninvasive registration methods for image-guided oral implant surgery.

Int J Oral Maxillofac Implants. 2010 May-Jun;25(3):491-8.

Widmann G, Schullian P, Wiedermann FJ, Bale R

Respiratory motion control for computer- assisted and robotic liver interventions
Int J Med Robot. 2010; 6: 343-349.

Widmann G, Schullian P, Haidu M, Fasser M, Bale R

Targeting accuracy of CT-guided stereotaxy for radiofrequency ablation of liver tumours.
Minim Invasive Ther Allied Technol. 2011 Jul;20(4):218-25.

Widmann G, Haidu M, Schullian P, Stoffner R, Bale R

Stereotactic Radiofrequency Ablation (SRFA) of liver lesions: Technique effectiveness, safety, and inter-operator performance.

Cardiovasc Intervent Radiol. 2012 Jun;35(3):570-80. Epub 2011 Jun 14.

Widmann G, Zangerl A, Schullian P, Fasser M, Puelacher W, Bale R.
Do image modality and registration method influence the accuracy of craniofacial navigation?
J Oral Maxillofac Surg. 2011, Nov 11.

Widmann G, Schullian P, Ortler M, Bale R.
Frameless stereotactic targeting devices: technical features, targeting errors and clinical results.
Int J Med Robot. 2012 Mar;8(1):1-16.

Widmann G, Schullian P, Fasser M, Niederwanger C, Bale R.
CT-guided stereotactic targeting accuracy of osteoid osteoma.
Int J Med Robot. 2013 Sep;9(3):274-9.

Widmann G, Jaschke W, Bale R.
Case report: 3rd degree skin and soft tissue burn after radiofrequency ablation of an osteoid
osteoma guided through a triple-crown biopsy cannula.
Skeletal Radiol. 2012 Dec;41(12):1627-30. doi: 10.1007/s00256-012-1448-8. Epub 2012 Jun 6.

Widmann G, Fasser M, Schullian P, Zangerl A, Puelacher W, Kral F, Riechelmann H, Jaschke W, Bale R.
Substantial dose reduction in modern multi-slice spiral computed tomography (MSCT)-guided
craniofacial and skull base surgery.
Rofo. 2012 Feb;184(2):136-42.

Widmann G, Wallach D, Toporek G, Schullian P, Weber S, Bale R.
Angiographic C-arm CT- versus MDCT-guided stereotactic punctures of liver lesions: nonrigid
phantom study.
AJR Am J Roentgenol. 2013 Nov;201(5):1136-40.

Widmann G, Schullian P, Bale R.
[Radiofrequency ablation of hepatocellular carcinoma].
Wien Med Wochenschr. 2013 Mar;163(5-6):132-6.

CO- AUTHOR

Auer T, Hensler E, Eichberger P, Bluhm A, Gunkel A, Freysinger W, Bale R, Gaber O, Thumfart WF, Lukas P.

3D navigation for interstitial stereotaxic brachytherapy
Strahlenther Onkol. 1998 Feb;174(2):82- 7.

Bodner J, Windisch J, Bale R, Wetscher G, Mark W

Perforated right colonic diverticulitis complicating pregnancy at 37 weeks' gestation.
Int J Colorectal Dis. 2005 20(4):381- 2.

Bodner G, Buchberger W, Schocke M, Bale R, Huber B, Harpf C, Gassner E, Jaschke W.

Radial nerve palsy associated with humeral shaft fracture: evaluation with
US- initial experience.
Radiology. 2001 Jun;219(3):811- 6.

Bonaros N, Müller S, Bonatti J, Kafka R, Tzankov A, Bale R, Bartel T.

Primary ovarian carcinoid heart disease curatively treated with a two- stage procedure.
Thorac Cardiovasc Surg. 2007 Oct;55(7):467- 9.

Braunwarth E, Stättner S, Fodor M, Cardini B, Resch T, Oberhuber R, Putzer D, Bale R, Maglione M, Margreiter C, Schneeberger S, Öfner D, Primavesi F.

Surgical techniques and strategies for the treatment of primary liver tumours: hepatocellular and cholangiocellular carcinoma.
Eur Surg. 2018;50(3):100-112. doi: 10.1007/s10353-018-0537-x. Epub 2018 May 17.

Burtscher J, Sweeney R, Bale R, Eisner W, Twerdy K.

Neuroendoscopy based on computer assisted adjustment of the endoscope holder in the laboratory.
Minim Invasive Neurosurg. 2003 Aug;46(4):208- 14.

Burtscher J, Bale R, Dessl A, Eisner W, Twerdy K, Sweeney RA, Felber S.

Virtual endoscopy for planning neuro- endoscopic intraventricular surgery.
Minim Invasive Neurosurg. 2002 Mar;45(1):24- 31.

Burtscher J, Dessl A, Bale R, Eisner W, Auer A, Twerdy K, Felber S.

Virtual endoscopy for planning endoscopic third ventriculostomy procedures.
Pediatr Neurosurg. 2000 Feb;32(2):77- 82.

Coassin S, Erhart G, Weissensteiner H, Eca Guimarães de Araújo M, Lamina C, Schönherr S, Forer L, Haun M, Losso JL, Köttgen A, Schmidt K, Utermann G, Peters A, Gieger C, Strauch K, Finkenstedt A, Bale R, Zoller H, Paulweber B, Eckardt KU, Hüttenhofer A, Huber LA, Kronenberg F.

A novel but frequent variant in LPA KIV-2 is associated with a pronounced Lp(a) and cardiovascular risk reduction.
Eur Heart J. 2017 Jun 14;38(23):1823-1831. doi: 10.1093/eurheartj/ehx174.

Czermak BV, Unsinn KM, Gotwald T, Waldenberger P, Freund MC, Bale RJ, Vogel W, Jaschke WR.
Echinococcus multilocularis revisited.

AJR Am J Roentgenol. 2001 May;176(5):1207- 12.

Czermak BV, Waldenberger P, Fraedrich G, Dessl AH, Roberts KE, Bale RJ, Perkmann R, Jaschke WR.

Treatment of Stanford type B aortic dissection with stent- grafts: preliminary results.
Radiology. 2000 Nov;217(2):544- 50.

- Dessl A, Bodner G, Springer P, Rieger M, Bale R, Waldenberger P, Jaschke W.
Ruptures of the medial gastrocnemius muscle: diagnosis with high resolution ultrasound
Ultraschall Med. 1998 Oct;19(5):230- 3
- Dobesberger J, Ortler M, Unterberger I, Walser G, Falkenstetter T, Bodner T, Benke T, Bale R, Fiegele T, Donnemiller E, Gotwald T, Trinka E.
Successful Surgical Treatment of Insular Epilepsy with Nocturnal Hypermotor Seizures.
Epilepsia. 2008 Jan;49(1):159- 62.
- Eisner W, Burtscher J, Bale R, Sweeney R, Koppelstatter F, Golaszewski S, Kolbitsch C, Twerdy K.
Use of neuronavigation and electrophysiology in surgery of subcortically located lesions in the sensorimotor strip.
J Neurol Neurosurg Psychiatry. 2002 Mar;72(3):378- 81.
- Fink C, Rosenberger RE, Bale RJ, Rieger M, Hackl W, Benedetto KP, Kunzel KH, Hoser C.
Computer- assisted retrograde drilling of osteochondral lesions of the talus
Orthopade. 2001 Jan;30(1):59- 65.
- Finkenstedt A, Vikoler A, Portenkirchner M, Müllleder K, Maglione M, Margreiter C, Moser P, Vogel W, Bale R, Freund M, Luger A, Tilg H, Petersen J, Schneeberger S, Graziadei I, Zoller H, Glodny B.
Excellent Post-Transplant Survival in Patients with Intermediate Stage Hepatocellular Carcinoma Responding to Neoadjuvant Therapy.
Liver Int. 2015 Sep 19. doi: 10.1111/liv.12966.
- Fodor M, Primavesi F, Braunwarth E, Cardini B, Resch T, Bale R, Putzer D, Henninger B, Oberhuber R, Maglione M, Margreiter C, Schneeberger S, Öfner D, Stättner S.
Indications for liver surgery in benign tumours.
Eur Surg. 2018;50(3):125-131. doi: 10.1007/s10353-018-0536-y. Epub 2018 May 22.
- Freysinger W, Gunkel AR, Bale R, Voge M, Kremser C, Schon G, Thumfart WF.
Three- dimensional navigation in otorhinolaryngological surgery with the viewing wand.
Ann Otol Rhinol Laryngol. 1998 Nov;107(11 Pt 1):953- 8.
- Freysinger W, Gunkel AR, Martin A, Bale RJ, Voge M, Thumfart WF.
Advancing ear, nose, and throat computer- assisted surgery with the arm- based ISG viewing wand: the stereotactic suction tube.
Laryngoscope. 1997 May;107(5):690- 3.
- Freysinger W, Hensler E, Gunkel A, Bale RJ, Voge M, Martin A, Auer T, Eichberger P, Sztankay A, Künzel Karl- Heinz, Gaber O, Thumfart WF F, Lukas PH
Computer- Assisted Interstitial Brachytherapy.
Lecture Notes in Computer Science. 1998 1496: 352- 357
- Freysinger W, Gunkel AR, Voge M, Bale RJ, Thumfart WF
Einsatz der Viewing Wand in der HNO Chirurgie
ORL Nova.1996 6: 223- 228.
- Gabriel M, Decristoforo C, Kendler D, Dobrozemsky G, Heute D, Uprimny C, Kovacs P, Von Guggenberg E, Bale R, Virgolini IJ.
68Ga- DOTA- Tyr3- octreotide PET in neuroendocrine tumors: comparison with somatostatin receptor scintigraphy and CT.
J Nucl Med. 2007 Apr;48(4):508- 18.

- Gabriel M, Hausler F, Bale R, Moncayo R, Decristoforo C, Kovacs P, Virgolini I.
Image fusion analysis of (99m)Tc- HYNIC- Tyr(3)- octreotide SPECT and diagnostic CT using an immobilisation device with external markers in patients with endocrine tumours.
Eur J Nucl Med Mol Imaging. 2005 Dec;32(12):1440- 51. Epub 2005 Aug 26.
- Gabriel M, Oberauer A, Dobrozemsky G, Decristoforo C, Putzer D, Kendler D, Uprimny C, Kovacs P, Bale R, Virgolini IJ.
68Ga- DOTA- Tyr3- octreotide PET for assessing response to somatostatin- receptor- mediated radionuclide therapy.
J Nucl Med. 2009 Sep;50(9):1427- 34.
- Galiano K, Obwegeser AA, Bale R, Harlander C, Schatzer R, Schocke M, Gruber H.
Ultrasound- guided and CT- navigation- assisted periradicular and facet joint injections in the lumbar and cervical spine: a new teaching tool to recognize the sonoanatomic pattern.
Reg Anesth Pain Med. 2007 May- Jun;32(3):254- 7.
- Giacomuzzi SM, Torbica P, Rieger M, Lottersberger C, Peer S, Peer R, Perkmann R, Buchberger W, Bale R, Mallouhi A, Jaschke W.
Radiation exposure in single slice and multi- slice spiral CT (a phantom study)
Rofo. 2001 Jul;173(7):643- 9.
- Giacomuzzi SM, Buchberger W, Peer R, Peer S, Bale R, Perkmann R, Jaschke W.
Psychophysical aspects in medical illumination techniques.
Radiat Prot Dosimetry. 2001;94(1- 2):197- 9.
- Giacomuzzi SM, Springer P, Dessl A, Stoger A, Waldenberger P, Buchberger W, Bodner G, Bale R, Schreder JG, Gell G, Jaschke W.
ACOnet (Austrian Academic Computer Network) as data carrier for teleradiologic consultations
Rofo. 1998 Apr;168(4):352- 5.
- Giacomuzzi SM, Springer P, Stoger A, Dessl A, Buchberger W, Bodner G, Bale R, Schreder JG, Gell G, Jaschke W.
The Austrian Academic Computer Network and its usefulness for teleradiology.
J Telemed Telecare. 1998;4 Suppl. 1:41- 2.
- Gillams A, Goldberg N, Ahmed M, Bale R, Breen D, Callstrom M, Chen MH, Choi BI, de Baere T, Dupuy D, Gangi A, Gervais D, Helmberger T, Jung EM, Lee F, Lencioni R, Liang P, Livraghi T, Lu D, Meloni F, Pereira P, Piscaglia F, Rhim H, Salem R, Sofocleous C, Solomon SB, Soulen M, Tanaka M, Vogl T, Wood B, Solbiati L.
Thermal ablation of colorectal liver metastases: a position paper by an international panel of ablation experts, the interventional oncology sans frontières meeting 2013.
Eur Radiol. 2015 May 22. [Epub ahead of print]
- Gunkel AR, Vogeles M, Martin A, Bale RJ, Thumfart WF, Freysinger W.
Computer- aided surgery in the petrous bone.
Laryngoscope. 1999 Nov;109(11):1793- 9.
- Gunkel AR, Freysinger W, Martin A, Volklein C, Bale RJ, Vogeles M, Thumfart WF.
Three- dimensional image- guided endonasal surgery with a microdebrider.
Laryngoscope. 1997 Jun;107(6):834- 8.
- Henninger B, Bale R, Schocke M.
Multiple größenprogredivente kavernöse Hämangiome in einer zirrhotisch veränderten Leber

Rofo. 2010 Apr;182(4):357- 9. Case- Report

Henninger B, Vesco P, Putzer D, Kendler D, Loizides A, Bale RJ, Virgolini IJ
"[18F]choline PET in prostate cancer patients with biochemical recurrence after radical
prostatectomy: influence of anti-androgen therapy - a preliminary study"
Nucl Med Commun. 2012 Aug;33(8):889-94.

Herz T, Franz A, Giacomuzzi SM, Bale R, Krismer M.
Accuracy of spinal navigation for magerl screws.
Clin Orthop Relat Res. 2003 Apr;(409):124- 30.

Peri-operative brachial plexus injury following self-positioning for stereotactic radiofrequency
ablation.

Hoerner E, Bale R, Gasteiger L, Putzer D.
Anaesth Rep. 2019 Oct 29;7(2):79-82. doi: 10.1002/anr3.12024. eCollection 2019 Jul-Dec.
PMID: 32051957 [PubMed]

Hoser C, Bichler O, Bale R, Rosenberger R, Rieger M, Kovacs P, Lang T, Fink C.
A computer assisted surgical technique for retrograde autologous osteochondral grafting in talar
osteochondritis dissecans (OCD): a cadaveric study.
Knee Surg Sports Traumatol Arthrosc. 2004 Jan;12(1):65- 71. Epub 2003 Oct 3.

Kainz H, Bale R, Donnemiller E, Gabriel M, Kovacs P, Decristoforo C, Moncayo R.
Image fusion analysis of 99m Tc- HYNIC- octreotide scintigraphy and CT/MRI in patients with thyroid-
associated orbitopathy: the importance of the lacrimal gland.
Eur J Nucl Med Mol Imaging. 2003 Aug;30(8):1155- 9.

Kaufmann G, Hofer P, Braitto M, Bale R, Putzer D, Dammerer D. Effect of Akin
Osteotomy on Hallux Valgus Correction After Scarf Osteotomy With Hallux Valgus
Interphalangeus. Foot Ankle Int. 2019 Oct;40(10):1182-1188.

Kern B, Feurstein B, Fritz J, Fabritius C, Sucher R, Graziadei I, Bale R, Tilg H, Zoller H, Newsome P,
Eschertzhuber S, Margreiter R, Öfner D, Schneeberger S.
High incidence of hepatocellular carcinoma and postoperative complications in patients with
nonalcoholic steatohepatitis as a primary indication for deceased liver transplantation.
Eur J Gastroenterol Hepatol. 2019 Feb;31(2):205-210.

Lederer W, Grams A, Helbok R, Stichlberger M, Bale R, Wiedermann
FJ.
Standards of anesthesiology practice during neuroradiological interventions.
Open Med (Wars). 2016 Oct 21;11(1):270-278. doi: 10.1515/med-2016-0053.
eCollection 2016.

Loizides A, Gruber H, Peer S, Galiano K, Bale R, Obernauer J.
Ultrasound guided versus CT-controlled paravertebral injections in the lumbar spine: a prospective
randomized clinical trial.
Am J Neuroradiol. 2013 Feb;34(2):466-70

Loizides A, Obernauer J, Peer S, Bale R, Galiano K, Gruber H.
Ultrasound-guided injections in the middle and lower cervical spine.
Med Ultrason. 2012 Sep;14(3):235-8.

Martin A, Bale RJ, Vogele M, Gunkel AR, Thumfart WF, Freysinger W.

Vogele- Bale- Hohner mouthpiece: registration device for frameless stereotactic surgery.
Radiology. 1998 Jul;208(1):261- 5.

Nevinny- Stickel M, Sweeney RA, Bale RJ, Posch A, Auberger T, Lukas P.
Reproducibility of patient positioning for fractionated extracranial stereotactic radiotherapy using a double- vacuum technique.
Strahlenther Onkol. 2004 Feb;180(2):117- 22.

Obernauer J, Galiano K, Gruber H, Bale R, Obwegeser AA, Schatzer R, Loizides A. Ultrasound-guided versus computed tomography-controlled periradicular injections in the middle and lower cervical spine: a prospective randomized clinical trial.
Eur Spine J. 2013 Jul 23. [Epub ahead of print]

Obernauer J, Galiano K, Gruber H, Bale R, Obwegeser AA, Schatzer R, Loizides A.
Ultrasound-guided versus Computed Tomography-controlled facet joint injections in the middle and lower cervical spine: a prospective randomized clinical trial.
Med Ultrason. 2013 Mar;15(1):10-5.

Ortler M, Sohm F, Bale R, Widmann G, Bauer R, Unterhofer C, Dobesberger J, Trinkla E, Eisner W.
Frame-based vs. Frameless Placement of Intrahippocampal Depth Electrodes in Patients with Refractory Epilepsy - A Comparative in Vivo (Application) Study.
Neurosurgery 2010 (accepted)

Paal P, Neurauter A, Loedl M, Brandner J, Herff H, Knotzer H, Mitterlechner T, von Goedecke A, Bale R, Lindner KH, Wenzel V.
Effects of stomach inflation on haemodynamic and pulmonary function during spontaneous circulation in pigs.
Resuscitation. 2009 Apr;80(4):470- 7.

Pircher C, Schneeberger S, Boesmueller C, Agaimy A, Zoller H, Bale R, Henninger B, Mayer G, Neuwirt H.
A rare case of Epstein-Barr virus-associated hepatosplenic smooth muscle tumors after kidney transplantation
Transpl Infect Dis. 2018 Jun;20(3):e12860. doi: 10.1111/tid.12860.

Plaikner M, Gruber H, Schwabl C, Brenner E, Bale R, Skalla E, Loizides A.
A simple approach for ultrasound-guided paravertebral injections in the sacral spine: a pilot computer tomography controlled cadaver study.
Med Ultrason. 2019 May 2;21(2):125-130. doi: 10.11152/mu-1823.

Profanter C, Schmid T, Prommegger R, Bale R, Sauper T, Bodner J.
Robot- assisted mediastinal parathyroidectomy.
Surg Endosc. 2004 May;18(5):868- 70. Epub 2004 Feb 2.

Profanter C, Wetscher GJ, Gabriel M, Sauper T, Rieger M, Kovacs P, Bale R, Prommegger R.
CT- MIBI image fusion: a new preoperative localization technique for primary, recurrent, and persistent hyperparathyroidism.
Surgery. 2004 Feb;135(2):157- 62.

Prommegger R, Bale R, Ensinger C, Sauper T, Profanter C, Knoflach M, Moncayo R.
Gastric carcinoid type I tumour: new diagnostic and therapeutic method.
Eur J Gastroenterol Hepatol. 2003 Jun;15(6):705- 7.

Prommegger R, Wimmer G, Profanter C, Sauper T, Sieb M, Kovacs P, Bale R, Putzer D, Gabriel M, Margreiter R.

Virtual Neck Exploration: A New Method for Localizing Abnormal Parathyroid Glands.

Ann Surg. 2009 Nov;250(5):761-5.

Putzer D, Gabriel M, Henninger B, Kendler D, Uprimny C, Dobrozemsky G, Decristoforo C, Bale RJ, Jaschke W, Virgolini IJ.

Bone Metastases in Neuroendocrine Tumor Patients: 68Ga- DOTA- Tyr3- Octreotide Positron Emission Tomography in Comparison to Computed Tomography and Bone Scintigraphy

J Nucl Med. 2009 Aug;50(8):1214- 21.

Putzer D, Gabriel M, Kroiss A, Madleitner R, Eisterer W, Kendler D, Uprimny C, Bale RJ, Gastl G, Virgolini IJ.

First Experience with Proteasome Inhibitor Treatment of Radioiodine Non-avid Thyroid Cancer using Bortezomib

Clin Nucl Med. 2012 Jun;37(6):539-44.

Rice SL, Bale R, Breen DJ, de Baere T, Denys A, Guiu B, Goldberg N, Kim E, Lewandowski RJ, Helmberger T, Mejerjink M, Pereira PL, Solbiati L, Solomon SB, Sofocleous CT. The Management of Colorectal Cancer Liver Metastases: The Interventional Radiology Viewpoint. Int J Radiat Oncol Biol Phys. 2019 Mar 1;103(3):537-539. doi: 10.1016/j.ijrobp.2018.08.069. PubMed PMID: 30722965.

Reinhold M, Bach C, Audigé L, Bale R, Attal R, Blauth M, Magerl F

Comparison of two novel fluoroscopy- based stereotactic methods for cervical pedicle screw placement and review of the literature.

Eur Spine J. 2008 Apr;17(4):564- 75

Rieger M, Sparr H, Esterhammer R, Fink C, Bale R, Czermak B, Jaschke W.

Modern CT diagnosis of acute thoracic and abdominal trauma

Anaesthesist. 2002 Oct;51(10):835- 42. Review.

Rieger M, Sparr H, Esterhammer R, Fink C, Bale R, Czermak B, Jaschke W.

Modern CT diagnosis of acute thoracic and abdominal trauma

Radiologe. 2002 Jul;42(7):556- 63.

Rosenberger RE, Fink C, Bale RJ, El Attal R, Muhlbacher R, Hoser C.

Computer- assisted minimally invasive treatment of osteochondrosis dissecans of the talus.

Oper Orthop Traumatol. 2006 Oct;18(4):300- 16.

Rosenberger R, Bale R, Fink C, Rieger M, Reichkender M, Hackl W, Benedetto KP, Kunzel KH, Hoser C.

Computer- assisted drilling of the lower extremity. Technique and indications

Unfallchirurg. 2002 Apr;105(4):353- 8.

Rosenberger RE, Bale RJ, Kneisl C, Krappinger D, Knoflach M, Attal R. Two-dimensional fluoroscopic navigation in posterior cruciate ligament reconstruction: a preclinical cadaver study. Arch Orthop Trauma Surg. 2010 Aug;130(8):971-6. Epub 2010 Jan 5.

Spizzo G, Bernardini K, Pieramico O, Buratti T, Platzgummer S, Farsad M, Schmitt AM, Perren A, Vogelsang H, Promegger R, Bale R, Gabriel M, Nevinny M, Gastl G, Mitterer M.

Clinical Aspects, Diagnostic Challenges and Management of Patients with Neuroendocrine Tumors (NETs).

Onkologie. 2011;34(3):139-46.

Stoffner R, Schullian P, Widmann G, Bale R, Kremser C.
Magnetic Resonance Imaging of Radiofrequency Current- Induced Coagulation Zones in the Ex Vivo Bovine Liver.

Rofo. 2010 Aug;182(8):690-7.

Sweeney R, Bale R, Vogele M, Nevinny- Stickel M, Bluhm A, Auer T, Hessenberger G, Lukas P.
Repositioning accuracy: comparison of a noninvasive head holder with thermoplastic mask for fractionated radiotherapy and a case report.

Int J Radiat Oncol Biol Phys. 1998 May 1;41(2):475- 83.

Sweeney RA, Bale RJ, Moncayo R, Seydl K, Trieb T, Eisner W, Burtscher J, Donnemiller E, Stockhammer G, Lukas P.
Multimodality cranial image fusion using external markers applied via a vacuum mouthpiece and a case report.

Strahlenther Onkol. 2003 Apr;179(4):254- 60.

Sweeney RA, Bale R, Auburger T, Vogele M, Foerster S, Nevinny- Stickel M, Lukas P.
A simple and non- invasive vacuum mouthpiece- based head fixation system for high precision radiotherapy.

Strahlenther Onkol. 2001 Jan;177(1):43- 7.

Toporek G, Wallach D, Weber S, Bale R, Widmann G.
Cone-beam computed tomography-guided stereotactic liver punctures: a phantom study.

Cardiovasc Intervent Radiol. 2013 Dec;36(6):1629-37.

Toporek G, Wallach D, Weber S, Bale R, Widmann G
Cone-beam Computed Tomography-guided stereotactic liver punctures – a phantom study
Cardiovasc Intervent Radiol. 2013 May 14

Traub- Weidinger T, Von Guggenberg E, Dobrozemsky G, Kendler D, Eisterer W, Bale R, Putzer D, Gabriel M, Virgolini I.

Preliminary experience with 68Ga- DOTA- lanreotide positron emission tomography.

Q J Nucl Med Mol Imaging. 2010 Feb;54(1):52- 60

Traub-Weidinger T, Putzer D, von Guggenberg E, Dobrozemsky G, Nilica B, Kendler D, Bale R, Virgolini IJ.

Multiparametric PET imaging in thyroid malignancy characterizing tumour heterogeneity: somatostatin receptors and glucose metabolism.

Eur J Nucl Med Mol Imaging. 2015 Dec;42(13):1995-2001

Venturi D, Glossop N, Bale R.

Patient-specific templates for image-guided intervention - a phantom study.

Minim Invasive Ther Allied Technol. 2019 Jun 17:1-10.

Vogele M, Freysinger W, Bale R, Gunkel AR, Thumfart WF.

Use of the ISG viewing wand on the temporal bone. A model study

HNO. 1997 Feb;45(2):74- 80.

Vogele M, Freysinger W, Bale RJ, Gunkel AR, Martin A, Thumfart WF.

Eine neue nichtinvasive Kopfhalterung für stereotaktische HNO- Chirurgie.

ORL Nova 1997 7:127- 132.

von Goedecke A, Keller C, Moriggl B, Wenzel V, Bale R, Deibl M, Moser P, Lirk P.
An anatomic landmark to simplify subclavian vein cannulation: the "deltoid tuberosity".
Anesth Analg. 2005 Mar;100(3):623- 8

Wallach D, Toporek G, Weber S, Bale R, Widmann G.
Comparison of freehand-navigated and aiming device-navigated targeting of liver lesions.
Int J Med Robot. 2014 Mar;10(1):35-43.

Widmann G, Keiler M, Zangerl A, Stoffner R, Widmann R, Bale R, Puelacher W.
Computer- assisted surgery in the edentulous jaw based on three fixed intraoral reference points.
J Oral Maxillofac Surg. 2010 May;68(5):1140- 7. Epub 2010 Feb 13.

Widmann G, Zangerl A, Keiler M, Stoffner R, Bale R, Puelacher W.
Flapless implant surgery in the edentulous jaw based on three fixed intraoral reference points and image- guided surgical templates: accuracy in human cadavers.
Clin Oral Implants Res. 2010; 21: 835-841.

Widmann G, Schullian P, Gassner EM, Hoermann R, Bale R, Puelacher W.
Ultralow-dose CT of the craniofacial bone for navigated surgery using adaptive statistical iterative reconstruction and model-based iterative reconstruction: 2D and 3D image quality.
AJR Am J Roentgenol. 2015 Mar;204(3):563-9.

Widmann G, Dalla Torre D, Hoermann R, Schullian P, Gassner EM, Bale R, Puelacher W.
Ultralow-dose computed tomography imaging for surgery of midfacial and orbital fractures using ASIR and MBIR.
Int J Oral Maxillofac Surg. 2015 Feb 10. pii: S0901-5027(15)00018-1. doi: 10.1016/j.ijom.2015.01.011.

Widmann G, Berggren JP, Fischer B, Pichler-Dennhardt AR, Schullian P, Bale R, Puelacher W.
Accuracy of Image-Fusion Stereolithographic Guides: Mapping CT Data with Three-Dimensional Optical Surface Scanning.
Clin Implant Dent Relat Res. 2015 Oct;17 Suppl 2:e736-e744. doi: 10.1111/cid.12313.

Wimmer G, Bale R, Kovacs P, Gabriel M, Putzer D, Sauper T, Sieb M, Profanter C, Margreiter R, Prommegger R.
Virtual neck exploration in patients with hyperparathyroidism and former cervical operations.
Langenbecks Arch Surg. 2008 Sep;393(5):687- 92.

Widmann G, Bale R, Ulmer H, Putzer D, Schullian P, Wiedermann FJ, Lederer W.
Systemic Hypotension Following Intravenous Administration of Nonionic Contrast Medium During Computed Tomography: Iopromide Versus Iodixanol.
Anesth Analg. 2018 Mar;126(3):769-775.

Wimmer G, Profanter C, Kovacs P, Sieb M, Gabriel M, Putzer D, Bale R, Margreiter R, Prommegger R.
CT- MIBI- SPECT image fusion predicts multiglandular disease in hyperparathyroidism.
Langenbecks Arch Surg. 2010 Jan;395(1):73- 80.

Wurm J, Bumm K, Steinhart H, Vogeles M, Schaaf HG, Nimsky C, Bale R, Zenk J, Iro H.
Development of an active robot system for multi- modal paranasal sinus surgery
HNO. 2005 May;53(5):446- 54.

II. LETTERS TO THE EDITOR, EDITORIALS, COMMENTS:

Bale R, Lukas P (1999)

A new method for the placement of brachytherapy probes in paranasal sinus and nasopharynx neoplasms: regarding Kremer et al. IJROBP 43:995- 1000; 1999;
Int J Radiat Oncol Biol Phys. 1999 45(4):1089- 90.

Bale RJ, Sweeney RA (2002)

The talon removable head frame system for stereotactic radiosurgery/radiotherapy: measurement of the repositioning accuracy: regarding Salter et al. IJROBP 43: 995- 1000;2001;
Int J Radiat Oncol Biol Phys 53(2): 253- 254

Bale R, Sweeney RA, Lukas P (2002)

On the accuracy of computer- assisted stereotactic interstitial brachytherapy (CASIB): regarding Strassmann et al.: Accuracy of 3D needle navigation in interstitial brachytherapy in various body regions
Strahlenther Onkol 178(11):648- 650

Bodner J, Windisch J, Bale R, Wetscher G, Mark W (2005)

Perforated right colonic diverticulitis complicating pregnancy at 37 weeks' gestation.
Int J Colorectal Dis. 20(4):381- 2.

Widmann G, Pototschnig C, Bale R.

Three- dimensionally Navigated Image- guided Radiofrequency Ablation in the Head and Neck.
J Vasc Interv Radiol. 2010 Jan;21(1):165- 6.

III. BOOKS, PROCEEDINGS

Bale RJ, Vogele M, Freysinger W, Gunkel A, Martin A, Ladner E, Thumfart WF (1996)

A minimally invasive head holder for frameless stereotaxy.

Lemke HU et al. (eds). Computer Assisted Radiology and Surgery, Elsevier, Amsterdam, New York, p. 1024.

Hensler E, Auer T, Gaber O, Gunkel A, Freysinger W, Bale R, Thumfart W, Lukas P (1996)

Introduction of computer assisted navigation to radiation brachytherapy.

Lemke HU et al. (eds). Computer Assisted Radiology and Surgery, Elsevier, Amsterdam, New York, p. 526.

Bale RJ, Vogele M, Lukas P (1996)

The VBH- head holder improves frameless stereotactic brachytherapy of the head and neck
Proceedings of 2nd International Skull Base Congress, 7th Annual Meeting of the North American Skull Base Society, San Diego, p. 132

Bale RJ, Vogele M, Freysinger W, Gunkel AR, Martin A, Sweeney R, Thumfart WF (1996)

A new minimally invasive head holder for frameless stereotactic surgery;

Proceedings of the 4th International Conference on Head and Neck Cancer, Toronto, p. 220

Vogele M, Bale R, Martin A, Auer T, Hensler E, Eichberger P, Freysinger W, Gunkel A, Lukas P (1997)

Eine minimal invasive für rahmenlos stereotaktische Eingriffe;

Proceedings of Deutsche Brachytherapie- Konferenz `97, Lübeck pp. 161- 165

BEST POSTER AWARD

Bale R, Vogele M, Martin A, Auer T, Hensler E, Freysinger W, Gunkel AR, Lukas P (1997)

A minimally invasive head holder and targeting device for frameless stereotactic brachytherapy of the head and neck.

Lemke HU et al. (eds). Computer Assisted Radiology and Surgery, Elsevier, Amsterdam, New York, pp. 410- 415.

Gunkel AR, Freysinger W, Hensler E, Auer T, Eichberger P, Auberger T, Bale RJ, Vogele M, Martin A, Thumfart WF, Lukas PH (1997)

Computer assisted stereotactic frameless interstitial brachytherapy.

Lemke HU et al. (eds). Computer Assisted Radiology and Surgery, Elsevier, Amsterdam, New York, pp. 404- 409

Bale RJ, Vogele M, Thumfart WF (1996)

A minimally invasive head holder for frameless stereotactic surgery;

Proceedings of the 2nd International Skull Base Congress, 7th Annual Meeting of the North American Skull Base Society, San Diego, 29. Juli- 4. July 1996, p.93

Vogele M, Bale R, Martin A, Freysinger W, Gunkel A, Hensler E, Auer T, Lukas P (1996)

Eine neue Kopfhalterung zur Anwendung rahmenloser Stereotaxie für Brachytherapie im Kopf- Halsbereich;

Proceeding der DEGRO, Baden- Baden p.33

Lukas P, Hensler E, Auer T, Bale RJ, Gunkel AR, Freysinger W, Auberger T, Thumfart WF (1997)
Computerassistierte 3D- Navigation zur stereotaktischen interstitiellen Brachytherapie.
E. Richter, T. Feyerabend, M. Marx (eds). Kongreßband Deutsche Brachytherapie Konferenz pp 161-165

Lukas P, Auer T, Hensler E, Eichberger P, Bale R, Vogele M (1997)
Computer Assisted Interstitial Brachytherapy;
Proceedings Symposium on Developments in High Precision Radiotherapy, Innsbruck pp. 45- 50

Bale R, Vogele M, Martin A, Hensler E, Auer T, Gunkel A, Freysinger W, Lukas P (1997)
A minimally invasive head holder and targeting device for frameless stereotactic brachytherapy of the head and neck.
Proceedings of the 2nd International Symposium on Special Aspects of Radiotherapy, Berlin, p.73

Auer T, Hensler E, Gaber O, Gunkel A, Freysinger W, Bale R, Thumfart W, Lukas P (1997)
Computer Assisted Intersitial Brachytherapy;
Proceedings 2nd International Symposium on Special Aspects of Radiotherapy, Berlin, p.70

Bale RJ, Martin A, Vogele M, Freysinger W, Gunkel AR, Thumfart WF (1997)
The VBH Mouthpiece: A registration device for frameless stereotactic surgery;
Proceedings of Computer Integrated Surgery (CIS) 1997, Linz p.56

Bale RJ, Ladner E, Vogele M, Martin A, Freysinger W, Gunkel AR, Mayr C (1997)
3D- guided frameless stereotactic puncture of the trigeminal ganglion;
Proceedings of Computer Integrated Surgery (CIS) 1997, Linz p.45

Freysinger W, Gunkel A, Bale RJ, Vogele M, Martin A, Thumfart WF (1997)
First application of the ISG Viewing Wand at the lateral skull base;
Proceedings of Computer Integrated Surgery (CIS) 1997, Linz p.22

Vogele M, Bale R, Martin A, Freysinger W, Gunkel A, Dessl A, Lukas P (1997)
A minimally invasive head holder and targeting device for frameless stereotactic targeting;
Proceedings of Computer Integrated Surgery (CIS) 1997, Linz p.16

Nevinny- Stickel M, Bale R, Sweeney R, Vogele M, Auer T, Lukas P (1997)
The VBH Head Holder for Reproducible Fixation for External Beam Radiotherapy of the Head and Neck Regions;
Proceedings 2nd International Symposium on Special Aspects of Radiotherapy, Berlin, p.43

Thumfart WF, Freysinger W, Gunkel AR, Vogele M, Martin A, Bale RJ, Ladner E, Mayr C (1997)
Intractable Facial Pain Treatment: 3D- Computer Assisted Navigation to the Gasserian and the Geniculate Ganglia;
N. Yanagihara and S. Murakami (eds). New Horizons in Facial Nerve Research and Facial Expression pp. 351- 356

Bale RJ, Maurer H, Mayr C, Ladner E, Vogele M, Martin A, Freysinger W, Gunkel AR, Lukas PH, Jaschke W (1998)
3D- guided frameless stereotactic puncture of the trigeminal ganglion as an example for frameless stereotactic targeting;
Proceedings 3 rd International Symposium on Special Aspects of Radiotherapy, Controversies in Neuro- Oncology, Berlin, p. 34

Bale RJ, Fink C, Rosenberger R, Hackl W, Hoser C, Rieger M, Jaschke W, Benedetto KP (1999)
First experiences with computer assisted drilling of osteochondral lesions of the talus- feasibility and accuracy;
Lemke HU et al. (eds). Computer Assisted Radiology and Surgery, Elsevier, Amsterdam, New York, pp. 762- 766.

Bale RJ, Vogele M, Thumfart WF, Lukas PH, Riccabona G, Twerdy K, Benzer A , Jaschke W (1999)
The VBH head holder and its applications in radiology, radiotherapy, ENT, neurosurgery, anesthesiology and nuclear medicine;
Lemke HU et al. (eds). Computer Assisted Radiology and Surgery, Elsevier, Amsterdam, New York, p. 1047.

Bale RJ, Burtscher J, Martin A, Rieger M, Giacomuzzi SM, Obwegeser A, Dessl A, Walch C, Jaschke W (1999)
Application of the Vogele- Bale- Hohner (VBH) Head Holder in Computer- assisted Neurosurgery;
Lemke HU et al. (eds). Computer Assisted Radiology and Surgery, Elsevier, Amsterdam, New York, pp. 686- 690.

Bale RJ, Sweeney RA, Burtscher J, Eisner W, Vogele M, Donnemiller E, Stockhammer G, Felber S, Lukas PH, Jaschke W (2000)
A new concept of a unified approach in the treatment of brain tumors;
Lemke HU et al. (eds). Computer Assisted Radiology and Surgery, Elsevier, Amsterdam, New York, pp. 679- 684

Čapek M, Wegenkittl R, Koenig A, Jaschke W, Sweeney RA, Bale RJ (2001)
Multimodal Volume Registration Based on Spherical Markers;
Vaclav Skala (ed). Conference proceedings of the 9- th International Conference in Central Europe on Computer Graphics, Visualization and Computer Vision 2001, WSCG ' 2001. University of West Bohemia, Pilsen, Czech Republic. Vaclav Skala (ed.). vol. 1, p. 17- 24.

Bale RJ, Vogele M, Lang T, Kovacs P, Rieger M, Freund M, Chemelli A, Rachbauer F, Hoser C, Fink C, Dolati B, Rosenberger R, Jaschke W (2002)
A novel vacuum immobilization device and a novel targeting device for computer assisted interventional procedures;
Lemke HU et al. (eds). Computer Assisted Radiology and Surgery, Elsevier, Amsterdam, New York, pp. 92- 97

Rieger M, Mallouhi A, Gabl M, Gruber H, Bale RJ, Jaschke W (2003)
Virtual 3D planning of corrective osteotomy and computer- aided manufacturing of a repositioning device;
Lemke HU et al. (eds). Computer Assisted Radiology and Surgery, Elsevier, Amsterdam, New York, p. 1304

Widmann G, Widmann R, Widmann E, Jaschke W, Bale R (2004)
Accuracy of a new concept for image- guided dental implantology;
Lemke HU et al. (eds). Computer Assisted Radiology and Surgery, Elsevier, Amsterdam, New York, p. 1198- 1202.

Widmann G, Widmann R, Widmann E, Jaschke W, Bale R (2004)
A new concept of image guided template production reducing costs and effort;
Lemke HU et al. (eds). Computer Assisted Radiology and Surgery, Elsevier, Amsterdam, New York, p. 1209- 1214

Kopf H, Mattes J, Bale R, Donnemiller E, Trinka E, Schubert R (2004)
A modular registration platform for multimodal image matching using ITK- first clinical application:
localizing epileptogenic foci;
Lemke HU et al. (eds). Computer Assisted Radiology and Surgery, Elsevier, Amsterdam, New York, p.
1237

Rosenberger RE, Hoser C, Fink C, Bale RJ (2004)
Computer- based Drilling of Osteochondral Lesions of the Talus (OLT) with an Aiming Device;
Stiehl JB et al. (eds). Navigation and Robotics in Total Joint and Spine Surgery, Springer, Berlin,

Bale R (2006)
Multimodality registration in daily clinical practice;
Scherzer, Otmar (ed.), Mathematical models for registration and applications to medical imaging.
Berlin: Springer. Mathematics in Industry 10. The European Consortium for Mathematics in Industry,
165- 183 (2006). ISBN 3- 540- 25029- 8/hbk

Bale R, Widmann G (2009)
Trigeminal Ablation;
Mahnken, Andreas H.; Ricke, Jens (Eds.), CT- and MR- Guided Interventions in Radiology 2009, ISBN:
978- 3- 540- 73084- 2

Widmann G, Bale R (2009)
Navigated Interventions- Techniques and Indications;
Mahnken, Andreas H.; Ricke, Jens (Eds.), CT- and MR- Guided Interventions in Radiology 2009, ISBN:
978- 3- 540- 73084- 2

IV. INVITED PRESENTATIONS

Bale RJ, Wenger M, Zaknun J, Moncayo R, Giacomuzzi SM, Dessl A, Riccabona G, Jaschke W (1998): CT/SPET Bildfusion mittels Korrelationspunkten am VBH Mundstück; presented at: Kärntner Radiologie Symposium 98', Velden

Bale RJ (2000): Computerunterstützte Punktionen; Fortbildung Universitätsklinik für Unfallchirurgie Innsbruck

Bale RJ (2000): Computerunterstützte Punktionen; Fortbildung Universitätsklinik für Orthopädie Innsbruck

Bale RJ (2000): Das interdisziplinäre stereotaktische interventionelle Planungslabor Innsbruck (SIP Lab); RTA- Fortbildung, Universitätsklinik für Radiodiagnostik I, Innsbruck

Bale RJ et al. (2000): A new concept of a unified approach in the treatment of brain tumors Fortbildung Loma Linda University (California, USA)
Department of Radiotherapy (Prof. Slater)

Bale RJ et al. (2000): A new concept of a unified approach in the treatment of brain tumors Los Angeles Children's Hospital (California, USA)
Department of Radiotherapy (Prof. Levi)

Bale RJ et al. (2000): A new concept of a unified approach in the treatment of brain tumors Los Angeles Children's Hospital (California, USA)
Department of Radiotherapy (Prof. Hug)

Bale RJ et al. (2000): A new concept of a unified approach in the treatment of brain tumors Los Angeles Children's Hospital (California, USA)
Department of Radiotherapy (Prof. Roberts)

Bale RJ et al. (2001): A new concept of a unified approach in the treatment of brain tumors Harbin (China); Main Lecture, Fifth National Conference of Stereotactic and Functional Neurosurgery (Prof. Wang, Prof. Lin)

Bale RJ et al. (2002): Computerunterstützte Punktionen von Kopf bis Fuß; Kantonsspital Basel (CH) (Prof. Steinbrich, Prof. Regazzoni)

Bale RJ et al. (2002): CT- MR- SPECT- PET Bildfusion; Kantonsspital Basel (CH) (Prof. Steinbrich)

Bale RJ et al. (2002): Computerunterstützte Punktionen von Kopf bis Fuß ; Kärntner Radiologie Symposium 02', Velden

Bale RJ et al. (2002): Computerunterstützte Punktionen von Kopf bis Fuß; LKH Feldkirch (Prim.Oser, Doz. Hergan)

Bale RJ (2003): Bildfusion als Teil eines einheitlichen Konzeptes in der Diagnostik und Therapie von Gehirntumoren

1. Jahrestagung der Österreichischen Gesellschaft für Neurologie, 19.- 22.3.2003

Bale RJ (2003): Computerassistierte perkutane Interventionen: Technik und Möglichkeiten (mit Videodemo)

Course on Interventional Radiology 2003, Berlin, 3.- 5.4.2003

Bale RJ (2003): CT- MR- SPECT- PET- US Bildfusion von Kopf bis Fuß

Kärntner Radiologie Symposium 03', Velden, 24.- 26.4.

Bale RJ (2003): Computerunterstützte Punktionen von Kopf bis Fuß, Bildfusion

Fortbildungsveranstaltung in Erlangen (Prof. Iro HNO, Prof. Kalender Medizinische Physik, Prof. Bautz Radiologie) 24.2.2003

Bale RJ (2003): Bildfusion als kostengünstige Alternative zu Kombinationsgeräten,

RTA Symposium, Pörschach, 15.- 17.5.

Bale RJ (2003): Computerunterstützte (Navigations)Verfahren zur Diagnose und Therapie von Lebermetastasen

Gastroenterologisches Wintertreffen, Obergurgl, 20.- 22.3.

Bale RJ (2003): Refresher- Kurs für Strahlentherapeuten: CT- MR- SPECT- PET- US Bildfusion

DEGRO 03', Essen, 28.6.2003

Bale RJ (2003): CT- MR- SPECT- PET- US Bildfusion

Staff Meeting Pädiatrie Innsbruck

Bale RJ (2003): CT- MR- SPECT- PET- US Bildfusion

Staff Meeting Gynäkologie, Innsbruck

Bale RJ (2003): Computerunterstützte Radiofrequenzablation von Leberherden

Staff Meeting Gynäkologie, Innsbruck

Bale RJ (2003): CT- MR- SPECT- PET- US Bildfusion, Interdisziplinäres Management des

Kolonkarzinoms und Rektumkarzinoms

Hotel Europa, Innsbruck

Bale RJ (2004): Radiofrequenzablation von Knochenläsionen (mit Videodemo)

Course on Interventional Radiology, Berlin, 22.- 24.4.2004

Bale RJ (2004): PET- CT vs. Bildfusion

2. Österreichischer Kongress „Krebs bei der Frau“, Salzburg, 22.- 24.4.2004

Bale RJ (2004): Präzise minimal invasive perkutane Eingriffe von Kopf bis Fuss, Technik und Indikationen

Rot- Kreuz- Zentrum Zams, 21.4.2004

Bale RJ (2004): CT- MR- SPECT- PET- US Bildfusion- Was brauchen wir mehr ?

Fortbildung Universitätsklinik für Nuklearmedizin „PET- CT in der Onkologie“, Innsbruck, 7.5.2004

Bale RJ (2004): CT- MR- SPECT- PET- US Bildfusion

Fortbildung Universitätsklinik für Innere Medizin, Innsbruck, 26.5.2004

2007 Charing Cross Symposium on vascular and endovascular therapy, 12.- 15.4.2008

2007 Computer- assisted RFA of Liver Tumors, 3. Hands- on- Workshop RFA, Jena, 18.- 20.1.2007

2007 Navigation systems for local energy application, Symposium Energy in Tumor Therapy, Dachau, 16.- 17.11.2007

2007 Charing Cross Symposium on vascular and endovascular therapy, 12.- 15.4.2008

2007 Computer- assisted RFA of Liver Tumors, 3. Hands- on- Workshop RFA, Jena, 18.- 20.1.2007

2007 Navigation systems for local energy application, Symposium Energy in Tumor Therapy, Dachau, 16.- 17.11.2007

2008 RF Ablation of Tumors larger than 4 cms
Friedrich Olbert Symposium in Munich 16.- 19.1.2008

2008 Electromagnetic Tracking for angiography based on CT/MRI data- initial experiences
Charing Cross Symposium on vascular and endovascular therapy, 12.- 15.4.2008

2008 Thermoablation of HCC especially in patients waiting for LTX
Annual Conference of the Polish Association for the Study of the Liver, Polish Mazurian Lake District, 22.- 24.6.2008

2008 Computer- assisted RFA of Liver Tumors, 4. Hands- on- Workshop RFA
Jena, 11.- 12.1.2008

2008 Stereotactic RF- Ablation using Sliding Gantry CT
SMIT 2008, Wien 28.- 30.8.2008

2008 Lokale Tumorthherapie mittels Radiofrequenzablation
Univ. Klinik für Dermatologie Innsbruck, 12.11.2008

2008 Stereotactic Guidance of RFA
Trends in RF Ablation, 2nd International Bipolar RFA Workshop, Berlin, 24. Oktober 2008

2008 Multimodality Imaging Today
3. Tiroler Nuklearmedizin Kongress, Innsbruck, 20- 21.11.2008

2008 Morbidity and Mortality in RFA
CIRSE 2008, Kopenhagen, 13.- 17.9.2008

V. ABSTRACTS/PRESENTATIONS WITH PUBLICATIONS

Hittmair A, Bale RJ, Rogatsch H, Mikuz G, Feichtinger H (1994): Image Analysis Quantitation of p53 Gene Product and Ki- 67 in Testicular Germ Cell Tumours- A Quantitative Immunohistochemical Study

Advances in the Biosciences 91:147.

Hittmair A, Rogatsch H, Feichtinger H, Hobisch A, Bale RJ, Mikuz G (1995): Semiquantitative morphologische, immunhistochemische und flowzytometrische Untersuchungen humaner Spermatogenese

Anal Cell Pathol 8:84.

Gunkel AR, Freysinger W, Vogele M, Bale RJ, Thumfart WF, Pototschnig C (1996): Computergestützte dreidimensionale Navigationstechniken in der Kopf- Hals- Chirurgie

Eur. Arch. of Oto- Rhino- Laryngol 253: 86.

Freysinger W, Bale RJ, Vogele M, Gunkel AR , Thumfart WF (1996): Computerunterstützte Chirurgie in der HNO- Chirurgie: Anwendung der ISG –Bildprüfwand

ORL Nova 6: 47.

Vogele M, Bale RJ, Freysinger W, Thumfart WF (1996): Kann die ISG Viewing Wand für Operationen am Felsenbein verwendet werden?

ORL Nova 6: 38.

Bale RJ, Vogele M, Freysinger W, Gunkel AR, Martin A, Thumfart WF (1996): Eine neue nichtinvasive Kopfhalterung für rahmenlose stereotaktische Eingriffe

ORL Nova 6: 337.

Martin A, Bale RJ, Vogele M, Freysinger W, Gunkel AR, Thumfart WF (1996): Optimale Patientenregistrierung für 3D computerunterstützte Chirurgie

ORL Nova 6: 337.

Gunkel AR, Freysinger W, Martin A, Bale RJ, Vogele M, Thumfart WF (1996): Anwendung von computerunterstützter 3D- Chirurgie im HNO Fachgebiet

ORL Nova 6: 317.

Vogele M, Freysinger W, Martin A, Bale RJ, Gunkel AR, Thumfart WF (1996): Erste Erfahrungen mit der ISG Viewing Wand bei Operationen am Felsenbein

ORL Nova 6: 303.

Bale RJ, Vogele M, Martin A, Freysinger W, Gunkel A, Hensler E, Auer T, Lukas PH (1996): A new head holder and targeting device for frameless stereotactic brachytherapy of the head and neck
Radiother Oncol 40 (Suppl. 1):55.

Hensler E, Auer T, Gaber O, Gunkel A, Freysinger W, Bale RJ, Thumfart WF, Lukas PH (1996): Interstitial brachytherapy using computer assisted navigation

Radiother Oncol 40 (Suppl.1):24.

- Lukas PH, Hensler E, Auer T, Gunkel A, Freysinger W, Bale RJ (1996): Stereotactic Interstitial Brachytherapy with 3D- Navigation in Head and Neck Tumors
Radiology 201(9), 233.
- Freysinger W, Gunkel A, Vogele M, Bale RJ, Martin A, Thumfart WF (1997): 3D- Navigation in the petrous bone
Skull Base Surgery 7: 35.
- Gunkel A, Freysinger W, Martin A, Vogele M, Bale RJ, Thumfart WF (1997): Computer- assisted surgery of the paranasal sinuses and the frontal skull base
Skull Base Surgery 7: 36.
- Bale RJ, Vogele M, Martin A, Auer T, Hensler E, Gunkel A, Freysinger W, Lukas PH (1997): Frameless stereotactic brachytherapy of head and neck tumors
Skull Base Surgery 7: 33.
- Bale RJ, Ladner E, Vogele M, Martin A, Freysinger W, Mayr C, Benzer A (1997): Computergestützte interstitielle Brachytherapie
HNO 45: 274.
- Bale RJ, Freysinger W, A. Gunkel, Vogele M, Martin A, Hensler E, Auer T, Eichberger P, Thumfart WF, P. H. Lukas (1997): Klinische Erfahrungen mit computerunterstützter stereotaktischer interstitieller Brachytherapie;
ORL nova 2: 81.
- Ladner E, Bale RJ, Freysinger W, Vogele M, Martin A, Benzer A, Javorsky F, Thumfart WF (1997): Rahmenlose stereotaktische computerunterstützte Neurodestruktion des Ganglion Gasserii
ORL nova 2: 117.
- Bale RJ, Martin A, Vogele M, Freysinger W, Springer P, Giacomuzzi SM, Jaschke W (1997): The VBH mouthpiece: A registration device for frameless stereotactic surgery
Radiology 205:403.
- Nevinny- Stickel M, Bale RJ, Sweeney RA, Vogele M, Auer T, Lukas PH (1997): The VBH head holder for reproducible fixation for external beam radiotherapy of the head and neck regions
Radiology 205:306.
- Hensler E, Auer T, Gaber O, Gunkel A, Freysinger W, Bale RJ, Thumfart WF, Lukas PH (1997): Image guided interstitial brachytherapy
Med Biol Engineering Comput 35 (Suppl.2):856.
- Bale RJ, Vogele M, Freysinger W, Auer T, Eichberger P, Hensler E, Lukas PH et al. (1998): First experiences with computer- assisted frameless stereotactic interstitial brachytherapy (CASIB)
Radiology 209:478
- Bale RJ, C Fink, R Rosenberger, W Hackl, C Hoser, M Rieger, Jaschke W, Benedetto KP (1999): First experiences with computer assisted drilling of osteochondral lesions of the talus- feasibility and accuracy
Radiology 213 (1999):374.

R.J. Bale, C. Fink, R. Rosenberger, W. Hackl, C. Hoser, M. Rieger, W. Jaschke, K.P. Benedetto.(1999)
First experiences with computer assisted retrograde drilling of osteochondral lesions of the talus-
feasibility and accuracy.

Book of Abstracts: Computer Assisted Orthopaedic Surgery- UPMC Shadyside Pittsburgh: 254- 255

Bale RJ, Vogele M, Dessl A, Czermak B, Waldenberger P, Jaschke W (1999): A new vacuum device for
extremity immobilization during digital angiography- initial clinical experiences

Cardiovasc Intervent Radiol 22/ Suppl. 2:142.

Bale RJ, Martin A, Rieger M, Giacomuzzi SM, Walch C, Burtscher J, Obwegeser A, Jaschke W (1999):
Accuracy of frameless stereotactic targeting with noninvasive immobilization of the head-
experimental study

Cardiovasc Intervent Radiol 22/ Suppl. 2:78.

Bale RJ, EJ Ladner, Vogele M, Martin A, Freysinger W, Maurer H, C Mayr, Thumfart WF, Jaschke W
(1999): 3D- Guided Puncture of the Trigeminal Ganglion as an example for frameless stereotactic
targeting

Cardiovasc Intervent Radiol 22/ Suppl. 2:78.

Bale RJ, Martin A, Rieger M, Giacomuzzi SM, Walch C, Burtscher J, Obwegeser A, Jaschke W (2000):
Accuracy of frameless stereotactic targeting with noninvasive immobilization of the head-
experimental study

Eur Radiol 10 /Suppl. 1 (2000): 286.

Hoser C, Bale RJ, Rosenberger R, Hackl W, Rieger M, Jaschke W, Benedetto KP, Fink C. Computer
assisted drilling of osteochondral lesions in the talus- feasibility and accuracy
3rd World Congress on Sports Trauma- Brisbane, Gold Coast, Australia 2000- Book of Abstracts 254,
2000.

Bale RJ, Burtscher J, Obwegeser A, Rieger M, Dessl A, Twerdy K, Jaschke W (2000): Preregistration
and real- time tracking of the patient- first experiences with the VBH mouthpiece for frameless
stereotactic neurosurgery

Eur Radiol 10 /Suppl. 1 (2000):287.

Bale RJ, Martin A, M Rieger, M Giacomuzzi, Burtscher J, Jaschke W (2000): Accuracy of frameless
stereotactic targeting with non- invasive reproducible immobilization of the head- experimental
study

Radiology 217:388.

Bale RJ, Vogele M, Lottersberger C, Prassl A, Czermak B, Waldenberger P, Jaschke W (2001): A novel
vacuum device for extremity immobilization during digital subtraction angiography

Eur Radiol 10/ Suppl. 1 (2001): 105.

Rieger M, Bale RJ, Mallouhi A, Kathrein A, Fink C, Czermak B, Jaschke W (2001): Multislice- CT for
immediate whole body examination in polytraumatized patients

Eur Radiol 10 (Suppl. 1):145.

Bale RJ, Vogele M, Hoser C, Fink C, Rosenberger R, Franz R, Rieger M, Jaschke W (2001): Computer
assisted interventional procedures using a novel vacuum immobilization device

Eur Radiol 10 (Suppl. 1) : 210.

Bale RJ, Sweeney RA, Vogele M, Burtscher J, Eisner W, Moncayo R, Donnemiller E, Rieger M, Jaschke W (2001): A new concept of a unified approach in the treatment of brain tumors
Eur Radiol 10 (Suppl. 1):218.

Bale RJ, Sweeney RA, Moncayo R, Donnemiller E, Helfer P, Felber S, Burtscher J, Rieger M, Jaschke W (2001): CT- MRI- SPECT image fusion using external landmarks and a vacuum mouthpiece: A precise and simple method of combining diagnostic and functional imaging in the head region
Eur Radiol 10 (Suppl. 1):219.

Bale RJ, Martin A, Rieger M, Giacomuzzi SM, Vogele M, Burtscher J, Mayr C, Ladner E, Jaschke W (2001): Accurate frameless stereotaxy using a non- invasive vacuum- affixed dental cast that acts as a reference base: A phantom study and initial applications in patients with trigeminal neuralgia
Eur Radiol 10 (Suppl. 1):219.

Moncayo R, Donnemiller E, Sweeney RA, Rieger M, Seydl K, Jaschke W, Riccabona G, Lukas PH, Bale RJ (2001): Improved imaging of the orbit based on highly accurate image fusion of SPECT and CT/ MRI
Eur Radiol 10 (Suppl. 1):255.

Rieger M, Mallouhi A, Perkmann W, Bale RJ, Maas M, Buchegger A, Dessl A, Fink C, Jaschke W (2001): Multislice- CT- angiography can replace catheter angiography in patients with vascular emergencies
Eur Radiol 10 (Suppl. 1):311.

Bale RJ, Vogele M, Hoser C, Fink C, Rosenberger R, Rieger M, Jaschke W (2001): Computer assisted interventional procedures using a novel vacuum immobilization device
Radiology 221(Suppl.):210

Bale RJ, Sweeney RA, Moncayo R, Seydl K, T. Lang, Jaschke W (2001): Precise and reliable CT- MR- SPECT image fusion based on a non- invasive vacuum affixed dental frame
Radiology 221(Suppl.):238

Bale RJ, Sweeney RA, Moncayo R, Eisner W, Burtscher J, Stockhammer G, Trieb T, Lukas PH (2001): Precise CT- MR- SPECT fusion and its application in radiotherapy
Radiology 221(Suppl.):465

Bale RJ, Sweeney RA, Moncayo R, Eisner W, Burtscher J, Vogele M, Donnemiller E, Seydl K, Lukas PH, K. Twerdy, Jaschke W (2001): A new concept of a unified approach in the treatment of brain tumors
Eur J Nucl Med 28(8):1018

Moncayo R, Bale RJ, Baldissera I, Sweeney RA, Bacher- Stier C, Decristoforo C, Seydl K, Gabriel M, Donnemiller E (2001): Image fusion as a tool for the identification of peri- and retroorbital targets (antigens) related to Grave's ophthalmopathy based on CT and 99MTC- HYNIC- TOC
Eur J Nucl Med 28(8):981

Bale RJ, Sweeney RA, Burtscher J, Eisner W, Vogele M, Donnemiller E, Stockhammer G, Felber S, Lukas PH, Jaschke W (2001): Ein neues einheitliches Konzept in der Behandlung von Gehirntumoren
RÖFO 173:121

Rieger M, B.V. Czermak, R.J. Bale, H. Sparr, A. Mallouhi, W.R. Jaschke(2002): The role of multislice CT- angiography (MSCTA) in polytraumatized patients with suspected arterial injuries
Eur Radiol 12(Suppl. 1):187

Kovacs P, Prommegger R, Profanter C, Klein- Weigel P, Fish J, Fraedrich G, Donnemiller E, Warwitz B, Moncayo R, Rieger M, Jaschke WR, BaleRJ (2003): Use of image fusion in searching for neck tumors Symposium Neuroradiologicum, Paris, 18.8.- 24.8.2002, J Neuroradiol 29:61

Bale RJ, Sweeney RA, Moncayo R, Donnemiller E, Trinka E, Unterberger I, Seydl K, Jaschke W (2002): Präzise CT- MR- SPECT- PET Fusion im Kopfbereich
RÖFO 174:268

Bale Reto; Sweeney Reinhart; Burtscher Johannes; Eisner Wilhelm; Vogele Michael; Donnemiller Eveline; Moncayo Roy; Seydl Karl; Stockhammer Günther; Lukas Peter. Ein neues einheitliches Konzept für die Diagnostik und Therapie von Gehirntumoren
38. Jahrestagung der Österreichischen Gesellschaft für Neurochirurgie, Innsbruck, 4.bis 6.Oktober 2002; Journal für Neurologie, Neurochirurgie und Psychiatrie

R.J. Bale; W. Eisner; J. Burtscher; M. Vogele; P. Kovacs; T. Lang; W. Jaschke; K. Twerdy. A novel targeting device for frameless stereotactic targeting
38. Jahrestagung der Österreichischen Gesellschaft für Neurochirurgie, Innsbruck, 4.bis 6.Oktober 2002

Burtscher J.; Bale R.; Eisner W.; Twerdy K. Neuroendoscopy based on computer assisted adjustment of the endoscope holder in the laboratory
38. Jahrestagung der Österreichischen Gesellschaft für Neurochirurgie, Innsbruck, 4.bis 6.Oktober 2002

Bale RJ, Vogele M, Sweeney RA, Eisner W, Rachbauer F, Fink C, Donnemiller E, Jaschke W (2002): Das interdisziplinäre Stereotaktische Interventions- und Planungslabor Innsbruck (SIP Labor)
Jahrestagung der Deutschen Radiologischen Gesellschaft (DRG) in Wiesbaden. RÖFO 174:291.

Bale RJ, Vogele M, Rachbauer F, Freund M, Rieger M, Chemelli A, Kovacs P, Rosenberger R, Jaschke W (2002) Precise computer- assisted targeting of bone lesions from head to toe
Annual Meeting and Postgraduate Course of the Cardiovascular and Interventional Radiological Society of Europe CIRSE October 5- 9, 2002, Luzern. CVIR 25(Suppl. 2):163

Bale RJ, Sweeney RA, Eisner W, Moncayo R, Jaschke W (2002): A new concept of a unified approach in the treatment of brain tumors
Annual Meeting and Postgraduate Course of the Cardiovascular and Interventional Radiological Society of Europe CIRSE October 5- 9, 2002, Luzern, CVIR 25(Suppl. 2):192

Bale RJ, Freund M, Bodner G, Kovacs P, Jaschke W (2002) Precise Computer- assisted Liver Tumor Puncture for Biopsy and Thermal Ablation
88th Scientific Assembly and Annual Meeting of the Radiological-Society-of-North-America Radiology 225(S): 242-242

Sweeney RA, Vogele M, Wegmayr A, Bale RJ, Lukas P (2002) An Automatic Treatment Table with 6 Degrees of Freedom based on a 3D Sensor System; First Pre- clinical Results
RSNA 2002, Paper Number: 1402 in Session: Q12

Kovacs P, Moncayo R, Prommegger R, Profanter C, Fraedrich G, Biebl M, Jaschke WR, BaleRJ (2003): Multimodality imaging in the neck (B- 0086)
Eur Radiol 13(Suppl. 1):145- 146

BEST SCIENTIFIC PRESENTATION

C.V. Walch, R.J. Bale, R. Perkmann, G. Fraedrich, W.R. Jaschke, B. Czermak (2003)
Migration of different stent- graft designs after endoluminal repair of AAA: Do new generations of stent- grafts improve the outcome? Eur Radiol 13(Suppl. 1):

P. Kovacs, R.E. Rosenberger, B. Dolati, H. Gschnitzer, C. Fink, M. Blauth, W.R. Jaschke, R.J. Bale (2003):
CT- guided computer assisted percutaneous screw insertion for pelvic fracture fixation using a novel targeting device: A cadaveric study. Eur Radiol 13(Suppl. 1):

R.J. Bale, W. Eisner, J. Burtscher, T. Fiegel, B. Lang, P. Kovacs, B. Lang, W. Jaschke (2003)
A novel targeting device for frameless stereotactic targeting. Eur Radiol 13(Suppl. 1):

R.J. Bale, P. Kovacs, B. Lang, R. Prommegger, C. Profanter, M. Rieger, R. Moncayo, M. Gabriel, W. Jaschke (2003)
Real- time superposition of ultrasound with reformatted CT- MR- SPECT- PETdata using 3D navigation. Eur Radiol 13(Suppl. 1):

Bale RJ, Kovacs P, Freund M, Bodner G, Jaschke W (2003)
Precise Computer- assisted Liver Tumor Puncture for Biopsy and Thermal Ablation ESGAR 2003 Budapest, Eur Radiol 13(Suppl. 2):114

Rieger M, Gabl M, Pechlaner S, Bale RJ, Freund M, Jaschke W (2002): Virtuelle 3D- Planung zur Korrekturosteotomie und zur computerunterstützten Herstellung von Repositionierungsschablonen. RÖFO 175:140

Bale RJ, Vogele M, Kovacs P, Freund M, Rieger M, Rosenberger R, Rachbauer F, W. Jaschke (2003)
A novel vacuum immobilization device and a novel targeting device for computer assisted interventional procedures. RÖFO 175:155

Bale RJ, Rosenberger R, Kovacs P, Dolati B, Lang T, Knoflach M, Jaschke W(2003)
Computer assisted percutaneous IS joint and acetabular fracture stabilisation. RÖFO 175:155

JV Anton, R Bale , W Eisner, T Fiegele, Kovacs P, W Jaschke, K Twerdy, J Burtscher (2003):
Intraoperative Ultraschalldetektion der Tumorresektionsgrenzen bei Gliompatienten
39. Jahrestagung der Österreichischen Gesellschaft für Neurochirurgie, 3. bis 4. Oktober 2003, Casineum Velden/Klagenfurt

R.J. Bale, R. Sweeney, K. Seydl, P. Kovacs, E. Trinkka, R. Moncayo, E. Donnemiller, W. Jaschke (2004)
Multimodality cranial image fusion using external markers applied via a vacuum mouthpiece
Eur Radiol 14(Suppl. 2): 213

R.J. Bale, M. Ortler, W. Eisner, T. Fiegele, J. Burtscher, E. Trinkka, G. Bauer, P. Kovacs, W. Jaschke (2004): 3D- guided puncture of the foramen ovale for depth electrode placement in epilepsy patients. Eur Radiol 14(Suppl. 2):214

P. Kovacs, R.E. Rosenberger, B. Dolati, H. Gschnitzer, C. Fink, M. Blauth, M. Rieger, W.R. Jaschke, R.J. Bale (2004)

CT- guided computer assisted percutaneous screw insertion for pelvic fracture fixation using a novel targeting device: Experiences in 8 patients. Eur Radiol 14(Suppl. 2):233

K. Kapellari, R. Bale et al. (2004)

Familial non- MEN Hyperparathyroidism: Minimizing The Risk of Recurrent Laryngeal Nerve Damage During Surgery, 43rd Annual Meeting of the European Society for Paediatric Endocrinology in Basel, September 10- 13.

ECR 2003

P. Kovacs, R. Moncayo, R. Prommegger, C. Profanter, G. Fraedrich, M. Biebl, W.R. Jaschke, R.J. Bale; Innsbruck/AT

Multimodality imaging in the neck
ECR Scientific Paper Award

P. Kovacs, R.E. Rosenberger, B. Dolati, H. Gschnitzer, C. Fink, M. Blauth, W.R. Jaschke, R.J. Bale; Innsbruck/AT

CT- guided computer assisted percutaneous screw insertion for pelvic fracture fixation using a novel targeting device: A cadaveric study

R.J. Bale, M.C. Freund, G. Bodner, P. Kovacs, B. Lang, M. Knoflach, W. Jaschke; Innsbruck/AT
Computer- aided liver tumor puncture for biopsy and thermal ablation

R.J. Bale, W. Eisner, J. Burtscher, T. Fiegel, B. Lang, P. Kovacs, B. Lang, W. Jaschke; Innsbruck/AT
A novel targeting device for frameless stereotactic targeting

R.J. Bale, P. Kovacs, B. Lang, R. Prommegger, C. Profanter, M. Rieger, R. Moncayo, M. Gabriel, W. Jaschke; Innsbruck/AT
Real- time superposition of ultrasound with reformatted CT- MR- SPECT- PETdata using 3D navigation

ECR 2004

R.J. Bale, M. Vogege, G. Widmann, P. Kovacs, C. Hinterleitner, W. Jaschke
Use of navigation systems and robots for precise interventional procedures

R.J. Bale, M. Ortler, W. Eisner, T. Fiegele, J. Burtscher, E. Trinkka, G. Bauer, P. Kovacs, W. Jaschke
3D- guided puncture of the foramen ovale for depth electrode placement in epilepsy patients

P. Kovacs, R.E. Rosenberger, B. Dolati, H. Gschnitzer, C. Fink, M. Blauth, M. Rieger, W.R. Jaschke, R.J. Bale;

CT- guided computer assisted percutaneous screw insertion for pelvic fracture fixation using a novel targeting device: Experiences in 8 patients

R.J. Bale, R. Sweeney, K. Seydl, P. Kovacs, E. Trinkka, R. Moncayo, E. Donnemiller, W. Jaschke
Multimodality cranial image fusion using external markers applied via a vacuum mouthpiece

ECR 2005

R.J. Bale , R. Petzold , M. Nagel , M. Voegele , W.A. Kalender , W. Jaschke
A novel navigation systems for percutaneous interventions

E. Sorantin , J. Kettenbach , R. Bale , G. Kronreif , G. Werkgartner , R. Beichel , A. Bornik , B. Reitingner ,
M. Sonka
Image- guided therapy and robotic applications

P. Kovacs, K. Rapf, R. Prommegger, C. Profanter, T. Sauper, R.J. Bale, W.R. Jaschke; Innsbruck/AT
Accuracy of CT- SPECT image fusion in the pre- operative detection of parathyroid adenomas
Scheringpreis 2005

P. Kovacs, D. Putzer, T.B. Lang, M. Knoflach, C. Hinterleitner, R.J. Bale, W.R. Jaschke; Innsbruck/AT
Accuracy of liver superimposition in different ways of whole body image fusion of CT and PET
datasets
Scheringpreis 2005

RSNA 2005

Werner Jaschke, Reto Bale, Peter Kovacs, Gerd Bodner, Thomas Lang, Martin Knoflach
Navigated Placement of Multiple Multipolar Needles for Radiofrequency Ablation of Malignant Liver
Lesions

Martin Knoflach, Reto Bale, Peter Kovacs, Thomas Lang, Christoph Hinterleithner, Werner Jaschke
Navigated CT- guided Percutaneous Musculoskeletal Interventions

ECR 2006

R. Bale, M. Lang, C. Lederer, T. Lang, W. Jaschke, M. Nagel
Navigation system for CT- guided percutaneous punctures: First phantom experience

P. Kovacs, M. Knoflach, C. Hinterleithner, T. Lang, R. Crazzolara, B. Meister, W.R. Jaschke, R.J. Bale
Multimodality imaging in paediatric tumour patients

ECR 2008:

B. Henninger, E. Gunsilius, D. Kendler, C. Uprimny, I. Virgolini, W. Jaschke, R. Bale
CT, PET and software- based- image- fusion: A comparison in patients with malignant lymphoma

D. Putzer, D. Kendler, C. Uprimny, R. Madleitner, R. Bale, P. Kovacs, T. Schmid, I.J. Virgolini
The clinical value of 18F- FDG- PET/CT and mediastinoscopy in initial staging in non- small cell lung
cancer

M. Gabriel, A. Oberauer, D. Kendler, D. Putzer, R. Bale, R. Madleitner, C. Uprimny, P. Kovacs,
I.J. Virgolini
Comparison of 68Ga- DOTA- Tyr(3)- Octreotide PET and diagnostic CT for treatment evaluation of
radionuclide therapy

VI. POSTERS WITH PUBLICATIONS

Bale RJ, Vogele M, Freysinger W, Gunkel AR, Martin A, Thumfart WF (1996):
A minimally invasive head holder for frameless stereotaxy; *Acta Neurochirurg*. 138(5):629

Bale RJ, Vogele M, Martin A, Hensler E, Auer T, Gunkel A, Freysinger W, Lukas PH (1997): A minimally invasive head holder and targeting device for frameless stereotactic brachytherapy of the head and neck; *Radiother Oncol* 43 (Suppl.1): 26

Best Poster Award

Bale RJ, Vogele M, Martin A, Freysinger W, Gunkel AR, Martin A, Thumfart WF, Lukas PH (1997): Eine minimal invasive Kopfhalterung für rahmenlos stereotaktische Eingriffe; *Acta Chirurg Austriaca* 130 (Suppl.): 179

Bale RJ, Vogele M, Martin A, Auer T, Hensler E, Freysinger W, Gunkel A, Lukas PH (1997): A minimally invasive head holder and targeting device for frameless stereotactic brachytherapy of the head and neck; *Stereotact Funct Neurosurg* 67: 17.

Springer P, Dessel A, Giacomuzzi SM, Buchberger W, Bale RJ, Bodner G, Jaschke W (1997): Image quality in virtual CT- colonoscopy: Scan parameters vs. radiation exposure; *Endoscopy* 29: 7

Bale RJ, Vogele M, Martin A, Freysinger W, Dessel A, Lukas PH, Jaschke W (1997): A minimally invasive head holder and targeting device for frameless stereotactic targeting; *Radiology* 205 (1997):589

Bale RJ, Maurer H, Ladner E, Mayr C, Vogele M, Martin A (1998): Three- dimensional puncture of the trigeminal ganglion as an example for frameless stereotactic targeting; *Radiology* 209:633.

Sweeney R, Bale RJ, Vogele M, Nevinny- Stickel M, Lukas P (1999): Results of clinical application and accuracy evaluation of a vacuum- based head fixation device; *Radiology* 213:499

Bale RJ, Fink C, Rosenberger R, Hackl W, Hoser C, Rieger M, Jaschke W, Benedetto KP (1999): First experiences with computer assisted drilling of osteochondral lesions of the talus- feasibility and accuracy; *Radiology* 213:535

Award: Certificate of Merit

Bale RJ, Fink C, Rosenberger R, Hackl W, Hoser C, Rieger M, Jaschke W, Benedetto KP (1999): First experiences with computer assisted drilling of osteochondral lesions of the talus- feasibility and accuracy; *Comp Assist Surg* 4(6):350.

Bale RJ, Vogele M, Thumfart WF, Lukas PH, Riccabona G, Twerdy K, Benzer A, Jaschke W (1999): The VBH Head Holder and its applications in radiology, radiotherapy, ENT, neurosurgery, anaesthesiology and nuclear medicine; *Eur Radiol* 9(Suppl.):360

Bale RJ, Vogele M, Dessel A, Czermak B, Waldenberger P, Jaschke W (2000): A new vacuum device for extremity immobilization during digital angiography- initial clinical experiences; *Eur Radiol* 10 (Suppl. 1): 15.

Bale RJ, Hoser C, Fink C, Rosenberger R, Hackl W, Rieger M, Jaschke W, Benedetto WP (2000): Computer assisted guide wire placement for ligament reconstruction in the knee- feasibility and accuracy; *Eur Radiol* 10 (Suppl. 1): 10.

Bale RJ, Sweeney RA, Vogele M, Riccabona G, Twerdy K, Poewe W, Lukas PH, Jaschke W (2000): A new concept of a unified approach in the treatment of brain tumors; Radiology 217:185.

Moncayo R, Hamm- Pauler M, Bale RJ, Sweeney RA, Decristoforo C, Donnemiller E, Wenger M, Seydl K (2001): Scintigraphy with somatostatin analogs depicts the immunologically competent structures of the oro- pharynx; Eur J Nucl Med Eur J Nucl Med 28(8):1118

Bale RJ, Hoser C, Fink C, Rosenberger R, Hackl W, Rieger M, Jaschke W, Benedetto WP (2001): Computerunterstützte Anbohrung von osteochondralen Läsionen des Talus; RÖFO 173:184.

Award: Summa cum laude

Bale RJ, Sweeney RA, Burtscher J, Eisner W, Vogele M, Donnemiller E, Stockhammer G, Felber S, Lukas PH, Jaschke W (2001): Ein neues einheitliches Konzept in der Behandlung von Gehirntumoren; RÖFO 173:166.

Rieger M, Czermak B, Bale RJ, Pechlaner S, Gabl M, Jaschke W (2001): Multislice CT- Angiography (MSCTA) of the Hand, RSNA 2001, Radiology 221(P):121

Rieger M, Czermak B, Bale RJ, Sparr H, Mallouhi A, Jaschke W (2001): The Role of Multislice CT- Angiography (MSCTA) in Polytraumatized Patients with Suspected Arterial Injuries, RSNA 2001, Radiology 221(P):121

Niehoff A, Tschoppe E, Bale RJ, Obrist P, Buchberger W (2001): MR Imaging- guided Breast Puncture: Comparison of Stereotactic and Navigation- guided Technique, RSNA 2001, Radiology 221(P):194

Bale RJ, Vogele M, Sweeney RA, Eisner W, Rachbauer F, Fink C, Donnemiller E, Jaschke W (2002): Das interdisziplinäre Stereotaktische Interventions- und Planungslabor Innsbruck (SIP Labor); RÖFO 174:291.

Award: Cum laude

Bale RJ, Sweeney RA, Moncayo R, Donnemiller E, Trinkla E, Unterberger I, Seydl K, Jaschke W (2002): Präzise CT- MR- SPECT- PET Fusion im Kopfbereich; RÖFO 174:268

Kovacs P, Eisner W, Lang T, Knoflach M, Rieger M, Jaschke WR, BaleRJ (2003): Accuracy of CT- guided computer- assisted brain punctures; Paris, 18.8.- 24.8.2002, J Neuroradiol 29:142

Fink C, Rosenberger R, Bale R, Hoser C (2002): Retrograde Bohrung osteochondraler Läsionen am Talus mit Hilfe der CAS. GOTS Kongress, Zürs

Bale RJ, Kovacs P, Knoflach M, Lang T, Rieger M, Jaschke W (2002): Precise Real- time Superposition of Ultrasound with Reformatted CT- MR- SPECT- PET Images Using 3D Navigation, RSNA 2002 (Educational Exhibit)

Rieger M, Gabl M, Jais S, Czermak B, Bale RJ, Jaschke W (2002): Virtual 3D Planning of Corrective Osteotomy and Computer- aided Manufacturing of Positioning Devices, RSNA 2002 (Educational Exhibit)

Klingler PJ, Freund M, Vogele M, Lang T, Knoflach M, Kovacs P, Jaschke W, Bale RJ (2003): Precise Computer- assisted Liver Tumor Puncture for Biopsy and Thermal Ablation, Southeastern Surgical Congress, 7.- 11.2.2003, Westin Savannah Harbor, GA, USA, Am Surg P54

O.J. Sommer, F. Aigner, A. Rudisch, H. Fritsch, T. Trieb, R.J. Bale (2003): Cross sectional anatomy of the temporomandibular joint. Eur Radiol 13(Suppl. 1):

P. Kovacs, W. Eisner, T. Lang, M. Knoflach, M. Rieger, W.R. Jaschke, R.J. Bale (2003): Accuracy of computer- assisted brain punctures using a novel targeting device: A phantom study. Eur Radiol 13(Suppl. 1):

M. Rieger, M. Gabl, H. Spiegl, M.C. Freund, R.J. Bale, B. Czermak, W.R. Jaschke (2003): Virtual 3D planning of corrective osteotomy and computer aided manufacturing of positioning devices. Eur Radiol 13(Suppl. 1):

P. Kovacs, R.C. Moncayo, R. Prommegger, C. Profanter, M. Rieger, W.R. Jaschke, R.J. Bale (2004): Multimodality imaging in the neck and ENT region. Eur Radiol 14(Suppl. 2):448

Kopf H, Mattes J, Bale R, Donnemiller E, Trinkka E, Schubert R: Development of a modular registration platform for multimodal image matching using ITK- first clinical application: localizing epileptogenic foci, CARS 2004, Chicago, USA, 2004

ECR 2003

Accuracy of computer- assisted brain punctures using a novel targeting device: A phantom study
P. Kovacs, W. Eisner, T. Lang, M. Knoflach, M. Rieger, W.R. Jaschke, R.J. Bale

ECR 2004

Multimodality imaging in the neck and ENT region
P. Kovacs, R.C. Moncayo, R. Prommegger, C. Profanter, M. Rieger, W.R. Jaschke, R.J. Bale

VII. PRESENTATIONS/POSTERS WITHOUT PUBLICATIONS

a) Presentation

Freysinger W, Gunkel AR, Vogele M, Bale RJ, Thumfart WF (1995): Three- dimensional intraoperative computer navigation systems in endoscopic surgery; presented at: Joint international congress on minimally invasive techniques in neurosurgery and otorhinolaryngology, Pittsburgh Pennsylvania

Martin A, Bale RJ, Vogele M, Freysinger W, Gunkel AR, Thumfart WF (1996): Eine neue nichtinvasive Kopfhalterung für rahmenlose stereotaktische Eingriffe; Österr. Röntgenkongress, Innsbruck

Nevinny- Stickel M, Bale RJ, Sweeney RA, Vogele M, Auer T, Lukas PH (1997): Der VBH Head Holder als reproduzierbare Kopffixation für die externe Bestrahlung von Kopf- Hals Tumoren presented at: Jahrestagung der ÖGRO 1997, Innsbruck

Nevinny- Stickel M, Bale RJ, Sweeney RA, Vogele M, Auer T, Lukas PH (1998): Die reproduzierbare Kopffixation mit dem VBH Head Holder bei der externen Bestrahlung im Schädelbereich presented at: DEGRO `98, Nürnberg

R Bale, Vogele M, Thumfart WF, Lukas PH, Riccabona G, Twerdy K, Benzer A, Jaschke W (1998): The VBH Head Holder and its applications in radiology, radiotherapy, ENT, neurosurgery, anesthesiology and nuclear medicine; presented at: 8th Radiological Symposium, Graz

b) Audiovisual Presentations

Bale RJ, Jaschke W (1999): Das Stereotaktisch Interventionelle Planungslabor Innsbruck (SIPLabor) ÖGRO Wien

2.Preis

Birkfellner W, Bale RJ, Kettenbach J, Sorantin E, Hanel W, Figl M, Greiml W, Hummel J, Vorbeck F, Kainberger F, Pretterklieber ML, Lammer J, Bergmann H, Jaschke W, Burtscher J, Sweeney RA, Moncayo R, Schreyer A, Ji H, Kikinis R, Jolesz RA, Teschner A (2001): Interactive and interventional image processing in a clinical context; Eur Radiol 12 (Suppl.):465

Magna Cum Laude Award (Golden Mile Exhibition ECR 2001)

Bale R.J., Birkfellner W., Sorantin E., Staedele H., Kettenbach J., Recheis W., Vogele M., Sweeney R., Kovacs P., Wegenkittl R., Bodner G., Jaschke W., zur Nedden D., Eisner W., Kronreif G., Fürst M., Hanel R., Figl M., Bergmann H., Hanson D., Rusko L., Rodek L., Palagyi K., Vilanova A., Bartroli, Nyul L., Jacob A.L., Baumann B., Balogh E., Messmer P.(2002) Medical image processing, surgical planning, image- guided therapy and robotic applications: Recent developments for radiology (Matrix) D- 0019 ECR 2002, Wien; Eur Radiol 12(suppl1):504

R. Bale, P. Kovacs, C. Müller, T. Lang, M. Knoflach, M. Vogele; Innsbruck/AT
Computer- Assistance and robotics in intervention and surgery. Austrian Image Processing Group (gemeinsam mit Graz, Wien).A new image guided surgery system using an assistant medical robot with 6 degrees of freedom

Magna Cum Laude Award (Golden Mile Exhibition ECR 2003)

Bale RJ, Vogele M, Widmann G, Kovacs P, Hinterleitner C, Jaschke W(2004): Use of navigation systems and robots for precise interventional procedures. Eur Radiol 14(Suppl. 2):540

Magna Cum Laude Award (Golden Mile Exhibition ECR 2004)