

Curriculum vitae

Prof. Dr.med. Thomas J. DENGLER

Direktor der Medizinischen Klinik I (Kardiologie, Angiologie, Intensivmedizin)
SLK-Klinikum am Plattenwald
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Persönliche Daten

Geburtsdatum: 7.4.1964 in Heidelberg
Familienstand: Verheiratet mit Dr.med. J.B. Dengler (Internistin / Hämatologin)

Berufliche Laufbahn

seit 9/ 2008	Direktor der Medizinischen Klinik I (Kardiologie, Angiologie, Intensivmedizin) des Klinikums am Plattenwald, SLK-Kliniken Heilbronn GmbH, Bad Friedrichshall
1/2009	Zusatzbezeichnung Intensivmedizin (internistisch)
2000 - 2008	Medizinische Universitätsklinik Heidelberg, Abteilung III - Kardiologie, Angiologie und Pneumologie (Prof. Dr. H.A. Katus)
12/ 2005	Ernennung zum ausserplanmässigen Professor
11/ 2005	Zusatzbezeichnung Angiologie
6/ 2003	Teilgebietsbezeichnung Kardiologie
12/ 2001	Habilitation und Verleihung der Venia legendi für "Innere Medizin"
1998 - 2000	Habitationsstipendium der DFG bei Prof. J. Pober, Boyer Center of Molecular Medicine, Yale University, New Haven, USA
1992-98	Wissenschaftlicher Assistent der Medizinischen Universitätsklinik Heidelberg, Abteilung III, Kardiologie (Prof. Dr. W.E.Kübler)
1/1998	Facharztanerkennung Innere Medizin
1990 - 92	Arzt im Praktikum in der Abt. Angewandte Immunologie (Prof. Dr. S.C. Meuer), Deutsches Krebsforschungsinstitut, Heidelberg

Studium

1983-90	Studium der Humanmedizin an der Rheinischen-Friedrich-Wilhelms-Universität in Bonn
1990	Promotion zum Doktor der Medizin, Universität Bonn
1990	Staatsexamen, Gesamtnote "sehr gut"
1986	einjähriges Studium am King's College Hospital, London

Schulausbildung

1974 – 83	Aloisiuskolleg, Bonn-Bad Godesberg
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Preise

Michel-Mirowski-Preis (2005), "NT-proBNP as a predictor of ventricular tachycardia in heart failure", Seniorautor

International Society for Heart and Lung Transplantation Research Award, "Regulation of endothelial co-stimulation by IL-10" (2004), principal investigator

Mitgliedschaften:

Deutsche Gesellschaft für Innere Medizin

Deutsche Gesellschaft für Kardiologie

Deutsche Gesellschaft für Angiologie

Deutsche Gesellschaft für Immunologie, "Adhäsionsmoleküle" und "Transplantation"

International Society for Heart and Lung Transplantation

Arbeitsgruppe Leitende Krankenhausärzte Kardiologie (ALKK)

Herztransplantation Südwest

Rotary Club Heilbronn

Reviewer / Editorial Board

American Journal of Transplant (Associate Editor)

Journal of Heart and Lung Transplantation (Reviewer, Editorial Board)

Transplant International (Reviewer)

Clinical Transplantation (Reviewer)

Cardiovascular Research (Reviewer)

Basic Research in Cardiology (Reviewer)

Transplant Immunology (Reviewer)

European Heart Journal (Reviewer)

German National Research Council (DFG; Reviewer)

Bad Friedrichshall, den

PUBLIKATIONEN:

Volz HC, Weiss C, Loßnitzer D, Zankl AR, Perz JB, **Dengler TJ**, Katus HA, Hardt SE. Complete reversal of left ventricular mass in FIP1L1-PDGFR α -positive chronic eosinophilic leukemia after therapy with imatinib. *Int J Cardiol*. 2010 Jul 5, Epub

Kristen AV, Giannitsis E, Lehrke S, Hegenbart U, Konstandin M, Lindenmaier D, Merkle C, Hardt S, Schnabel PA, Röcken C, Schonland SO, Ho AD, **Dengler TJ**, Katus HA. Assessment of disease severity and outcome in patients with systemic light-chain amyloidosis by the high-sensitivity troponin-T assay. *Blood* 2010 Jun 25, e-pub

Korosoglou G, Riedle N, Erbacher M, **Dengler TJ**, Zugck C, Rottbauer W, Hardt S, Bekeredjian R, Kristen A, Giannitsis E, Osman NF, Dickhaus H, Katus HA. Quantitative myocardial blush grade for the detection of cardiac allograft vasculopathy. *Am Heart J*. 2010;159(4):643-651.

Wellnhofer E, Stypmann J, Bara CL, Stadlbauer T, Heidt MC, Kreider-Stempfle HU, Sohn HY, Zeh W, Comberg T, Eckert S, **Dengler T**, Ensminger SM, Hiemann NE. Angiographic assessment of cardiac allograft vasculopathy: results of a Consensus Conference of the Task Force for Thoracic Organ Transplantation of the German Cardiac Society. *Transpl Int*. 2010 Apr 30. [Epub ahead of print]

Erbel C, Chen L, Bea F, Wangler S, Celik S, Lasitschka F, Wang Y, Böckler D, Katus HA, **Dengler TJ**. Inhibition of IL-17A attenuates atherosclerotic lesion development in apoE-deficient mice. *J Immunol*. 2009;183(12):8167-75.

Lehrke S, Steen H, Kristen AV, Merten C, Lossnitzer D, **Dengler TJ**, Katus HA, Giannitsis E. Serum levels of NT-proBNP as surrogate for cardiac amyloid burden: new evidence from gadolinium-enhanced cardiac magnetic resonance imaging in patients with amyloidosis. *Amyloid*. 2009;16(4):187-95.

Doesch AO, Ammon K, Konstandin M, Celik S, Kristen A, Frankenstein L, Müller S, Sack FU, Katus HA, **Dengler TJ**. Negative pretransplant serostatus for *Toxoplasma gondii* is associated with impaired survival after heart transplantation. *Transpl Int*. 2009 Nov 11. [Epub ahead of print]

Korosoglou G, Osman NF, **Dengler TJ**, Riedle N, Steen H, Lehrke S, Giannitsis E, Katus HA. Strain-encoded cardiac magnetic resonance for the evaluation of chronic allograft vasculopathy in transplant recipients. *Am J Transplant*. 2009; 9(11):2587-96.

Kristen AV, Sack FU, Schonland SO, Hegenbart U, Helmke BM, Koch A, Schnabel PA, Röcken C, Hardt S, Remppis A, Goldschmidt H, Karck M, Ho AD, Katus HA, **Dengler TJ**. Staged heart transplantation and chemotherapy as a treatment option in patients with severe cardiac light-chain amyloidosis. *Eur J Heart Fail*. 2009;11(10):1014-20.

Doesch AO, Ammon K, Konstandin M, Celik S, Kristen A, Frankenstein L, Buss S, Hardt S, Sack FU, Katus HA, **Dengler TJ**. Heart rate reduction for 12 months with ivabradine reduces left ventricular mass in cardiac allograft recipients. *Transplantation*. 2009;88(6):835-41.

Viganò M, **Dengler T**, Mattei MF, Poncelet A, Vanhaecke J, Vermes E, Kleinloog R, Li Y, Gezahegn Y, Delgado JF; on behalf of the RAD A2411 Study Investigators. Lower incidence of cytomegalovirus infection with everolimus versus mycophenolate mofetil in de novo cardiac transplant recipients: a randomized, multicenter study. *Transpl Infect Dis*. 2009 Sep 9. [Epub ahead of print]

Lehmkuhl HB, Arizon J, Viganò M, Almenar L, Gerosa G, Maccherini M, Varnous S, Musumeci F, Hexham JM, **Dengler TJ**, Mange KC, Livi U; 2411 Study Investigators. Everolimus with reduced cyclosporine versus MMF with standard cyclosporine in de novo heart transplant recipients. *Transplantation*. 2009; 88(1):115-22.

Kristen AV, Schnabel PA, Winter B, Helmke BM, Longerich T, Hardt S, Koch A, Sack FU, Katus HA, Linke RP, **Dengler TJ**. High prevalence of amyloid in 150 surgically removed heart valves—a comparison of histological and clinical data reveals a correlation to atheroinflammatory conditions. *Cardiovasc Pathol*. 2009 Jun 5. [Epub ahead of print]

Konstandin MH, Aksoy H, Wabnitz GH, Volz C, Erbel C, Kirchgessner H, Giannitsis E, Katus HA, Samstag Y, **Dengler TJ**. Beta2-integrin activation on T cell subsets is an independent prognostic factor in unstable angina pectoris. *Basic Res Cardiol*. 2009; 104(3):341-51.

Gleissner CA, **Dengler TJ**. Induction of ILT expression on non-professional antigen presenting cells: Clinical applications. *Hum Immunol*. 2009;70(5):357-9.

Kristen AV, Schönland SO, Remppis A, Hegenbart U, Schnabel PA, Katus HA, Dengler TJ. [Risk stratification and treatment of cardiac amyloidosis]. *Pathologe*. 2009; 30(3):212-8.

Celik S, Shankar V, Richter A, Hippe HJ, Akhavanpoor M, Bea F, Erbel C, Urban S, Blank N, Wambsganss N, Katus HA, **Dengler TJ**. Proinflammatory and prothrombotic effects on human vascular endothelial cells of immune-cell-derived LIGHT. *Eur J Med Res*. 2009; 14(4):147-56.

Kristen AV, Ammon K, Koch A, Dösch AO, Erbel C, Celik S, Karck M, Sack FU, Katus HA, **Dengler TJ**. Return to work after heart transplantation: discrepancy with subjective work ability. *Transplantation*. 2009; 87(7):1001-5.

Korosoglou G, **Dengler TJ**, Osman NF, Giannitsis E, Katus HA. Single coronary artery arising from the right sinus of valsalva: 'one-stop-shop' of coronary anatomy and functional significance by cardiovascular magnetic resonance. *Clin Res Cardiol*. 2009; 98(2):133-6.

Eriksson M, Büttner J, Todorov T, Yumlu S, Schönland S, Hegenbart U, Kristen AV, **Dengler TJ**, Lohse P, Helmke B, Schmidt H, Röcken C. Prevalence of germline mutations in the TTR gene in a consecutive series of surgical pathology specimens with ATTR amyloid. *Am J Surg Pathol*. 2009; 33(1):58-65.

Doesch AO, Konstandin M, Celik S, Kristen A, Frankenstein L, Hardt S, Goeser S, Kaya Z, Katus HA, **Dengler TJ**. Effects of protein A immunoabsorption in patients with advanced chronic dilated cardiomyopathy. *J Clin Apher*. 2009; 24(4):141-9.

Hosch W, Kristen AV, Libicher M, **Dengler TJ**, Aulmann S, Heye T, Schnabel PA, Schirmacher P, Katus HA, Kauczor HU, Longerich T. Late enhancement in cardiac amyloidosis: correlation of MRI enhancement pattern with histopathological findings. *Amyloid*. 2008; 15(3):196-204.

Rämer P, Hämmerling S, Konstandin M, Celik S, Giese T, Katus HA, Vijayshankar S, **Dengler TJ**. Endothelial progenitor cells possess monocyte-like antigen-presenting and T cell-activating capacity. *Transplantation* 2009;87(3):340-9.

Steen H, Merten C, Refle S, Klingenberg R, **Dengler TJ**, Giannitsis E, Katus HA. Prevalence of different gadolinium enhancement patterns in patients after heart transplantation. *J Am Coll Cardiol*. 2008; 52(14):1160-67

Kamiya H, Koch A, Sack FU, Akhyari P, Remppis A, **Dengler TJ**, Karck M, Lichtenberg A. Who needs 'bridge' to transplantation in the presence of the Eurotransplant high-urgency heart transplantation program? *Eur J Cardiothorac Surg*. 2008;34(6):1129-33.

Celik S, Blessing E, Kristen AV, Konstandin M, Doesch AO, Ammon K, Sack FU, Katus HA, **Dengler TJ**. Beneficial effect of omega-3 fatty acids on sirolimus / everolimus-induced hypertriglyceridemia in patients after heart transplantation. *Transplantation* 2008; 26(2): 245-250.

Doesch AO, Konstandin M, Celik S, Kristen A, Frankenstein L, Sack FU, Schnabel P, Schnitzler P, Katus HA, **Dengler TJ**. Epstein-Barr virus load in whole blood is associated with immunosuppression, but not with post-transplant lymphoproliferative disease in stable adult heart transplant patients. *Transpl Int*. 2008; 21(10):963-71.

Konstandin MH, Blessing E, Doesch A, Ammon K, Koch A, Wabnitz GH, Gleissner CA, Remppis A, Katus HA, **Dengler TJ**. Ezetimibe effectively lowers LDL-cholesterol in cardiac allograft recipients on stable statin therapy. *Clin Transplant*. 2008;22(5):639-44.

Lehmkuhl H, Hummel M, Kobashigawa J, Ladenburger S, Rothenburger M, Sack F, **Dengler TJ**, Hetzer R. Enteric-coated mycophenolate-sodium in heart transplantation: efficacy, safety, and pharmacokinetic compared with mycophenolate mofetil. *Transplant Proc*. 2008;40:953-5.

Koch A, Roth W, Steffek TM, **Dengler TJ**, Haass M, Karck M, Sack FU, Schirmacher P, Schnabel PA. Impact of apoptosis in acute rejection episodes after heart transplantation: immunohistochemical examination of right ventricular myocardial biopsies. *Transplant Proc.* 2008; 40(4):943-6.

Hosch W, Libicher M, Ley S, Heye T, Schnabel P, **Dengler TJ**, Katus HA, Kauffmann GW, Kauczor HU, Kristen AV. MR Imaging in Cardiac Amyloidosis - Morphology, Function and Late Enhancement. *Rofo.* 2008;180(7):639-45.

Kristen AV, **Dengler TJ**, Kristen JH, Schonland SO, Hegenbart U, Goldschmidt H, Borst MM, Katus HA, Meyer FJ. Respiratory Muscle Weakness and Inefficient Ventilation in Heart Failure due to Light-Chain Amyloidosis. *Amyloid* 2008;

Kristen AV, **Dengler TJ**, Hegenbart U, Schonland SO, Goldschmidt H, Sack FU, Voss F, Becker R, Katus HA, Bauer A. Prophylactic implantation of cardioverter-defibrillator in patients with severe cardiac amyloidosis and high risk for sudden cardiac death. *Heart Rhythm.* 2008; 5(2):235-40.

AV Kristen, JB Perz, SO Schonland, A Hansen, U Hegenbart, FU Sack, H Goldschmidt, HA Katus, **TJ Dengler**. Rapid progression of left ventricular wall thickness predicts mortality in cardiac light-chain amyloidosis. *J Heart Lung Transplant* 2007; 26(12):1313-9

Sack FU, Kristen A, Goldschmidt H, Schnabel PA, **Dengler T**, Koch A, Karck M. Treatment options for severe cardiac amyloidosis: heart transplantation combined with chemotherapy and stem cell transplantation for patients with AL-amyloidosis and heart and liver transplantation for patients with ATTR-amyloidosis. *Eur J Cardiothorac Surg.* 2008; 33(2):257-62.

Klingenberg R, Nofer JR, Rudling M, Bea F, Blessing E, Preusch M, Grone HJ, Katus HA, Hansson GK, **Dengler TJ**. Sphingosine-1-Phosphate Analogue FTY720 Causes Lymphocyte Redistribution and Hypercholesterolemia in ApoE-Deficient Mice. *Arterioscler Thromb Vasc Biol.* 2007; 27(11):2392-9.

Konstandin MH, Wabnitz GH, Aksoy H, Kirchgessner H, **Dengler TJ**, Samstag Y. A sensitive assay for the quantification of integrin-mediated adhesiveness of human stem cells and leukocyte subpopulations in whole blood. *J Immunol Methods.* 2007; 327(1-2):30-9.

Doesch AO, Celik S, Ehlermann P, Frankenstein L, Zehelein J, Koch A, Katus HA, **Dengler TJ**. Heart Rate Reduction After Heart Transplantation With Beta-Blocker Versus the Selective *If* Channel Antagonist Ivabradine. *Transplantation* 2007; 84(8):988-96.

Celik S, Langer H, Stellos K, May AE, Shankar V, Kurz K, Katus HA, Gawaz MP, **Dengler TJ**. Platelet-associated LIGHT (TNFSF14) mediates adhesion of platelets to human vascular endothelium. *Thromb Haemostas* 2007; 98(4):798-805.

Konstandin MH, Sommerer C, Doesch A, Zeier M, Meuer SC, Katus HA, **Dengler TJ**, Giese T. Pharmacodynamic CsA-monitoring: Relation of NFAT-regulated gene expression in lymphocytes to cyclosporine blood levels in cardiac allograft recipients. *Transplant Int* 2007; 20(12):1036-43

W Hosch, M Bock, M Libicher, S Ley, U Hegenbart, HU Kauczor, HA Katus, GW Kauffmann, **TJ Dengler**, AV Kristen. MR-relaxometry of myocardial tissue: Significant elevation of T1 and T2 relaxation times in cardiac amyloidosis. 2007; *Invest Radiol* 42(9):636-642.

Kristen AV, Ehlermann P, Helmke B, Hund E, Haberkorn U, Linke RP, Katus HA, Winter P, Altland K, **Dengler TJ**. Transthyretin Valine-94-alanine, a novel variant of late-onset systemic amyloidosis associated with cardiac involvement. *Amyloid* 2007; 14(4):283-287.

Dengler TJ, Gleissner CG, Klingenberg R, Sack FU, Schnabel PA, Katus HA. Biomarkers after heart transplantation: non-genomic. *Heart Fail Clin* 2007; 3(1): 69-81.

Koch A, Schmidt CI, **Dengler TJ**, Remppis A, Sack FU, Schirmacher P, Hagl S, Karck M, Schnabel PA. Differentiated expression patterns of growth factors in routine formalin-fixed endomyocardial biopsies in the early postoperative phase after heart transplantation. *Transplant Proc* 2007; 39(2): 554-7

Kristen AV, Perz JB, Schonland SO, Hegenbart U, Schnabel PA, Kristen JH, Goldschmidt H, Katus HA, **Dengler TJ**. Non-invasive predictors of survival in cardiac amyloidosis. *Eur J Heart Fail* 2007; 9 (6-7): 617-624.

Gleissner CA, Zastrow A, Klingenberg R, Sivanandam V, Celik S, Giese T, Kluger M, Katus HA, **Dengler TJ**. IL-10 inhibits endothelium-dependent T-cell costimulation by upregulation of ILT3/4 in human vascular endothelial cells. *Eur J Immunol* 2007 ;37(1):177-92.

Manes TD, Shiao SL, **Dengler TJ**, Pober JS. TCR Signaling Antagonizes Rapid IP-10-Mediated Transendothelial Migration of Effector Memory CD4⁺ T Cells. *J Immunol* 2007; 178(5):3237-43.

Krause U., Harter C., Seckinger A, Wolf D, Reinhardt A, Bea F, Hardt S, **Dengler T**, Ho A, Katus H, Kuecherer H, Hansen A. Intravenous Delivery of Autologous Mesenchymal Stem Cells Limits Infarct Size and Improves Left Ventricular Function in the Infarcted Porcine Heart. *Stem Cells Dev* 2007; 16(1):31-7.

Kristen AV, **Dengler TJ**, Katus HA. Suspected cardiac amyloidosis: Endomyocardial biopsy remains the diagnostic gold-standard. *Am J Hematol* 2007; 82(4):328-329

Sommerer C*, Konstandin M*, **Dengler TJ**, Schmidt J, Meuer S, Zeier M, Giese T. Pharmacodynamic Monitoring of Cyclosporine A in Renal Allograft Recipients Shows a Quantitative Relationship Between Immunosuppression and the Occurrence of Recurrent Infections and Malignancies. *Transplantation*. 2006; 82(10):1280-1285. *= equal contribution

Koch A, Tochtermann U, Remppis A, **Dengler TJ**, Schnabel PA, Hagl S, Sack FU. The Eurotransplant High-Urgency Heart Transplantation Program: an option for patients in acute heart failure? *Thorac Cardiovasc Surg*. 2006; 54(6):414-7.

Perz JB, Kristen AV, Rahemtulla A, Parameshwar J, Sack FU, Apperley JF, Goldschmidt H, Katus HA, **Dengler TJ**. Long-term survival in a patient with AL amyloidosis after cardiac transplantation followed by autologous stem cell transplantation. *Clin Res Cardiol* 2006; 95(12):671-4.

Jessup M, Banner N, Brozena S, Campana C, Costard-Jackle A, **Dengler TJ**, Hunt S, Metra M, Rahmel A, Renlund D, Ross H, Warner Stevenson L. Optimal pharmacologic and non-pharmacologic management of cardiac transplant candidates: approaches to be considered prior to transplant evaluation: ISHLT guidelines. *J Heart Lung Transplant*. 2006; 25(9):1003-23.

Kunz P, Hoffend J, Altmann A, Dimitrakopoulou-Strauss A, Koczan D, Eisenhut M, Bonaterra GA, **Dengler TJ**, Mier W, Haberkorn U, Kinscherf R. Angiopoietin-2 overexpression in morris hepatoma results in increased tumor perfusion and induction of critical angiogenesis-promoting genes. *J Nucl Med*. 2006; 47(9):1515-24

Gleissner CA, Doesch A, Ehlermann P, Koch A, Sack FU, Katus HA, **Dengler TJ**. Cyclosporine Withdrawal Improves Renal Function in Heart Transplant Patients on Reduced-Dose Cyclosporine Therapy. *Am J Transplant* 2006, 6: 1750-1758

Doesch A, Ehlermann P, Koch A, Remppis A, Katus HA, **Dengler TJ**. A comparison of measured trough levels and abbreviated AUC estimation by limited sampling strategies for monitoring MPA exposure in stable heart transplant recipients. *Clin Ther* 2006, 28(6):893-905

Klingenberg R, Zugck C, Becker R, Schellberg D, Heinze G, Kell R, Remppis A, Schoels W, Katus HA, **Dengler TJ**. Elevated B-type natriuretic peptide predicts ICD therapy in patients with ischemic cardio-myopathy. *Heart* 2006, 92(9):1323-4.

Gleissner CG, Klingenberg R, Staritz P, Koch A, Ehlermann P, Wiggerhauser A, **Dengler TJ**. Effects of erythropoietin treatment on anemia after heart transplantation. *Int J Cardiol* 2006; 112: 341-347.

Szabo G, Bährle S, Sivanandam V, Stumpf N, Gero M, Berger I, Beller C, Hagl S, Szabo C, **Dengler TJ**. Immunomodulatory effects of poly (ADP-ribose) polymerase inhibition contribute to improved cardiac function and survival during acute cardiac rejection. *J Heart Lung Transplant* 2006; 25(7):794-804.

Lüdde M, Krumsdorf U, Zehelein J, Ivandic B, **Dengler TJ**, Katus HA, Tiefenbacher C. Treatment of Iatrogenic Femoral Pseudoaneurysm by a combined Approach of Ultrasound-Guided Compression Therapy and Thrombin Injection. *Angiology* 2007; 58(4):435-9.

Schmidt K, Hoffend J, Altmann A, Strauss LG, Dimitrakopoulou-Strauss A, Engelhardt B, Koczan D, Peter J, **Dengler TJ**, Mier W, Eisenhut M, Haberkorn U, Kinscherf R. Angiostatin overexpression in Morris hepatoma results in decreased tumor growth but increased perfusion and vascularization. *J Nucl Med*. 2006;47(3):543-51.

Koch A, Geil-Bierschenk C, Rieker R, **Dengler TJ**, Sack FU, Schirmacher P, Hagl S, Schnabel PA. Morphometric changes of the right ventricle in the first two weeks after clinical heart transplantation: analysis of myocardial biopsies from patients with complicated versus uncomplicated course. *Eur J Cardiothorac Surg*. 2006; 30(2):370-8.

Koch A, Palchyk E, Gassler N, **Dengler TJ**, Remppis A, Pritsch M, Sack FU, Hagl S, Schnabel PA. Expression of platelet-derived growth factor and fibroblast growth factor in cryopreserved endomyocardial biopsies early and late after heart transplant. *Ann Thorac Surg*. 2006; 81(4):1372-8.

Herpel E, Pritsch M, Koch A, **Dengler TJ**, Schirmacher P, Schnabel PA. Interstitial fibrosis in the heart: differences in extracellular matrix proteins and matrix metalloproteinases in end-stage dilated, ischaemic and valvular cardiomyopathy. *Histopathology*. 2006;48(6):736-47.

Goser S, Ottl R, Brodner A, **Dengler TJ**, Torzewski J, Egashira K, Rose NR, Katus HA, Kaya Z. Critical role for monocyte chemoattractant protein-1 and macrophage inflammatory protein-1alpha in induction of experimental autoimmune myocarditis and effective anti-monocyte chemoattractant protein-1 gene therapy. *Circulation*. 2005;112(22):3400-7

Singer R, Mehrabi A, Schemmer P, Kashfi A, Hegenbart U, Goldschmidt H, Schönland S, Kristen A, **Dengler TJ**, Müller-Schilling M, Sauer P, Dogan A, Hund E, Helmke B, Schnabel P, Altland K, Linke R, Friess H, Schmidt J, Büchler MW, Kraus TW. Indications for Liver Transplantation in Patients with Amyloidosis: A Single-Center Experience with 11 Cases. *Transplantation* 2005; 27: S156-159.

Kristen AV, Meyer FJ, Perz JB, Schonland SO, Hundemer M, Hegenbart U, Singer R, Schnabel PA, Sack FU, Goldschmidt H, Katus HA, **Dengler TJ**. Risk stratification in cardiac amyloidosis – novel approaches. *Transplantation* 2005; 27:S151-S155.

Koch A, Remppis A, **Dengler TJ**, Schnabel PA, Hagl S, Sack FU. Influence of different implantation techniques on AV valve competence after orthotopic heart transplantation. *Eur J Cardiothorac Surg*. 2005; 28(5):717-23.

Klingenberg R, Gleissner C, Koch A, Schnabel PA, Sack FU, Zimmermann R, Katus HA, **Dengler TJ**. Impact of pre-operative diabetes mellitus upon early and late survival after heart transplantation - a possible era effect. *J Heart Lung Transplant* 2005; 24(9):1239-46.

Klingenberg R, Gleissner C, Wambsganss N, Richter G, Giese T, Katus HA, **Dengler TJ**. Endothelial-cell dependent CD8+ T cell activation by human endothelial ICOSL. *Eur J Immunol* 2005; 35(6):1712-1721

Nikendei C, Schilling T, Nawroth P, Hensel M, Ho AD, Schwenger V, Zeier M, Herzog W, Schellberg D, Katus HA, **Dengler TJ**, Stremmel W, Müller M, Jünger J. Integriertes Skills-Lab-Konzept für die studentische Ausbildung in der Inneren Medizin. *Dtsch Med Wochensh* 2005; 130(18):1133-8.

Koch A, Daniel V, **Dengler TJ**, Schnabel PA, Hagl S, Sack FU. Effectivity of a T-cell-adapted induction therapy with anti-thymocyte globulin (Sangstat). *J Heart Lung Transplant*. 2005; 24(6):708-13.

Klingenberg R, Koch A, Gleissner C, Schnabel PA, Haass M, Remppis A, Katus HA, **Dengler TJ**. Determinants of B-type natriuretic peptide plasma levels in the chronic phase after heart transplantation. *Transplant International* 2005;18(2):169-76.

Dengler TJ*, Schoels M*, Richter R, Giese T, Meuer SC. Detection of cardiac allograft rejection by real-time PCR analysis on circulating mononuclear cells. *Clin Transplant* 2004;18: 513-517. (* equal contribution).

Perz JB, Schonland SO, Hundemer M, Kristen AV, **Dengler TJ**, Zeier M, Linke RP, Ho AD, Goldschmidt H. High-dose melphalan with autologous stem cell transplantation after VAD induction chemotherapy for treatment of AL amyloidosis: a single centre prospective phase II study. *Brit J Haematol* 2004;127:543-551.

Kristen AV, **Dengler TJ**, Meyer FJ. Dyspnoe bei Lungenrestriktion und Myokardhypertrophie – Amyloidose. *Pneumologie* 2004 (1): 106-108

Angermann CE, Störk S, Costard-Jäckle A, **Dengler TJ**, Siebert U, Tenderich G, Rahmel A, Schwarz ER, Nägele H, Wagner FM, Haaff B, Pethig K. Reduction of Cyclosporine After Introduction of Mycophenolate Mofetil Improves Chronic Renal Dysfunction in Heart Transplant Recipients. *Eur Heart J* 2004; 25:1626-34.

Gleissner CA, Klingenberg R, Schaefer S, Koch A, Sack FU, Schnabel PA, Zimmermann R, Katus HA, **Dengler TJ**. Relation of reduced hemoglobin levels with impaired renal function and survival after heart transplantation. *Transplantation*. 2004;77:710-7.

Giese T, Zeier M, Schemmer P, Uhl W, Schoels M, **Dengler TJ**, Buechler M, Meuer SC, Monitoring of NFAT-regulated gene expression in the peripheral blood of allograft recipients. *Transplantation* 2004;77:339-44.

Gleissner CA, Zehelein J, Sack FU, Schnabel P, Haass M, **Dengler TJ**. Extended experience and subgroup analysis using cardiac troponin T for rejection monitoring after heart transplantation. *Clin Transplant* 2003; 17:284-291.

Klingenberg R, Koch A, Schnabel P, Sack FU, Haass M, **Dengler TJ**. Histological rejection of ISHLT grade 3A late after heart transplantation - a distinct clinical entity ? *J Heart and Lung Transplant* 2003;22:1005-13.

Dengler TJ, Katus HA. Stem cell therapy for the infarcted heart. *Cardiovasc Dis* 2002; 27:598-610.

Gleissner CA, Zehelein J, Sack FU, Schnabel P, Haass M, **Dengler TJ**. Extended experience and subgroup analysis using cardiac troponin T for rejection monitoring after heart transplantation. *Transplant Proc*. 2002; 34: 2178-2180

Kallinowski B, Seipp S, **Dengler TJ**, Klar E, Theilmann L, Stremmel W. Clinical impact of hepatitis G virus infection in heart and liver transplant recipients. *Transplant Proc* 2002; 34:2288.

Licka M, Zimmermann R, **Dengler TJ**, Katus HA, Kuebler W. Troponin T levels 72 hours after myocardial infarction as serologic estimate of infarct size. *Heart* 2002; 87:520-524.

Kell R, Haunstätter A, **Dengler TJ**, Zugck C, Kübler W, Haass M. Do cytokines enable risk stratification to be improved in NYHA functional class III patients. *Eur Heart J* 2002; 23:70-78.

Szabo G, Bährle S, Stumpf N, Sonnenberg K, Szabo E, Pacher P, Csont T, Schulz R, **Dengler TJ**, Liaudet L, Jagtap PG, Southan GJ, Vahl CF, Hagl S, Szabo C. Poly(ADP-Ribose) Polymerase inhibition reduces reperfusion injury after heart transplantation. *Circ Res* 2002; 11: 100-106.

Dengler TJ, Johnson DR, Pober JS. Human vascular endothelial cells stimulate a lower frequency of alloreactive CD8⁺ pre-CTL and induce less clonal expansion than matching B lymphoblastoid cells. *J Immunol* 2001;166:3846-3854.

Snyder EL, O'Donnell LO, **Dengler TJ**, Pomper G, Velleca M, Dincecco D, Baril L, Min K, Gudino M, Bender JR. Ex vivo evaluation of peripheral blood mononuclear cells collected with a new cell separator. *Transfusion* 2001; 41: 940-949.

Szabo G, Batkai S, **Dengler TJ**, Bährle S, Stumpf N, Notmeyer W, Zimmermann R, Vahl CF, Hagl S. Systolic and diastolic properties and myocardial blood flow in the heterotopically transplanted rat heart during acute cardiac rejection. *World J Surg* 2001; 25:545-52

Dengler TJ, Pober JS. Cellular and molecular mechanisms of cardiac allograft rejection. *J Nucl Cardiol* 2000; 7(6):669-685.

Zheng L, **Dengler TJ**, Kluger MS, Madge LA, Schechner JS, Maher SE, Pober JS, Bothwell ALM. Cytoprotection of HUVEC against CTL-mediated lysis and apoptosis provided by caspase-resistant Bcl-2 without alterations in growth or activation responses. *J Immunol* 2000; 164(9):4665-4671.

Dengler TJ, Raftery MJ, Werle M, Zimmermann R, Kübler W, Schönrich G. Cytomegalovirus infection of vascular cells induces expression of pro-inflammatory adhesion molecules by paracrine action of secreted IL-1. *Transplantation* 2000;69:1160-1168.

Pethig K, **Dengler TJ**, Mohacsi P, Deng MC, Wahlers T. Long-term follow-up after heart transplantation - a survey among German heart transplant centers. *Z Kardiol* 2000;89:93-99.

Dengler TJ, Pober JS. Human vascular endothelial cells stimulate memory but not naive CD8+ T cells to differentiate into CTL retaining an early activation phenotype. *J Immunol* 2000; 164:5146-5155.

Dengler TJ, Zimmermann R, Meyer J, Sack FU, Girgsdies OE, Kübler W. Vaccination against tick-borne encephalitis under therapeutic immunosuppression. Reduced efficacy in heart transplant recipients. *Vaccine* 1999; 17:867-874.

Papapetropoulos A, Garcia-Cardena, **Dengler TJ**, Maisonpierre PC, Yancopoulos GD, Sessa WC. Direct Actions of Angiopoietin-1 on Human Endothelium. *Lab Invest* 1999; 79:213-23.

Kallinowski B, Janicki M, Seelig R, Seipp S, Hagel J, **Dengler T**, Schnitzler P, Theilmann L, Stremmel W. Clinical relevance of hepatitis G virus (HGV) infection in heart transplant patients. *J Heart Lung Transplant* 1999;18:190-3.

Dengler TJ, Szabo G, Sido B, Nottmeyer W, Zimmermann R, Vahl CF, Hünig T, Meuer SC. Prolonged allograft survival but no tolerance induction by modulating CD28 antibody JJ319 after high-responder rat heart transplantation. *Transplantation* 1999; 67:392-398.

Szabo G, Bátkai S, Bährle S, **Dengler TJ**, Vahl CF, Zimmermann R, Hagl S. Effects of nitric oxide synthesis on reperfusion injury and catecholamine responsiveness in a heterotopic rat heart transplantation model. *J Cardiovasc Pharmacol* 1998; 31:221-230.

Dengler TJ, Szabo G, Zimmermann R, Amann K, Vahl C, Nottmeyer W, Kübler W, Hagl S. Induction therapy with an immunomodulatory CD2 antibody does not reduce allograft vasculopathy after rat heart transplantation *Transplant Proc* 1998; 30:868-870.

Bährle S, Szabó G, Stiehl A, Theilmann L, **Dengler TJ**, Zimmermann R. Ursodeoxycholic acid may reduce acute rejection after heart transplantation. *J Heart Lung Transplant* 1998; 17: 592-598.

Dengler TJ^{*}, Sido B^{*}, Otto G, Zimmermann R, Müller P, Kübler W, Meuer SC. Immunosuppressive potential of antibody-induced CD2 modulation in the rat. *Eur J Immunol* 1998; 28:1347-1357 (*equal contribution).

Dengler TJ, Braun K, Müller-Bardorff M, Zehelein J, Sack FU, Schnabel P, Katus HA, Zimmermann R, Kübler W. Elevated serum concentrations of cardiac troponin T in acute allograft rejection after heart transplantation. *J Am Coll Cardiol* 1998; 32:405-412.

Bährle S, Szabó G, **Dengler TJ**, Zimmermann R, Hagl S, Kübler W. Immunosuppressive Effects of Ursodeoxycholic Acid after Heart Transplantation. *Transplant Proc* 1998; 30: 864-865.

Szabo G, Bährle S, Bátkai S, Stumpf N, **Dengler TJ**, Zimmermann R, Vahl CF, Hagl S. L-arginine: effect on reperfusion injury after heart transplantation. *World J Surg* 1998; 22:791-7.

Dengler TJ, Strnad N, Bühring I, Zimmermann R, Girgsdies OE, Kübler W, Zielen S. Differential immune response to influenza and pneumococcal vaccination in immunosuppressed patients after heart transplantation. *Transplantation* 1998; 66:1340-1347.

Reindl I, Wernecke KD, Opitz C, Wensel R, König D, **Dengler T**, Schimke I, Kleber FX. Impaired ventilatory efficiency in chronic heart failure: possible role of pulmonary vasoconstriction. *Am Heart J* 1998; 136:778-85.

Sack FU, Lange R, Mehmanesh H, Amman K, Schnabel P, Zimmermann R, **Dengler TJ**, Otto HF, Hagl S. Transferral of extrathoracic donor neoplasm by the cardiac allograft. *J Heart Lung Transplant* 1997; 16: 298-301.

Sido B, Otto G, Zimmermann R, Müller P, Meuer SC, **Dengler TJ**. Modulation of the CD2 receptor and not disruption of CD2/CD48 interaction is the principal action of CD2-mediated immunosuppression in the rat. *Cell Immunol* 1997; 182: 57-67.

Szabo G, Bährle S, **Dengler TJ**, Bátkai S, Vahl CF, Hagl S. Reduzierung des Reperfusionsschadens nach Herztransplantation mit dem Stickstoffmonoxid-Donor L-Arginin. *Langenbeck's Arch Chir* 1997; 114:7-10.

Meuer S, Sido B, **Dengler T**: Perspektiven der immunsuppressiven Therapie. *Chirurg* 1996;67:310-317

Arbeitsgruppe Thorakale Organtransplantation (Co-Autor: **Dengler TJ**). Herztransplantation: Nachsorge und Rehabilitation. *Z Kardiologie* 1996;85:67-77

Arbeitsgruppe Thorakale Organtransplantation (Co-Autor: **Dengler TJ**). Indikationen, Kontraindikationen und differentialtherapeutische Alternativen der Herztransplantation. *Z Kardiologie* 1996; 85: 519-527.

Dengler TJ, Strnad N, Zimmermann R, Allers C, Kübler W, Zielen S: Pneumokokkenimpfung nach Herz- und Lebertransplantation - vergleichbare serotypenspezifische Immunantworten bei immunsupprimierten Patienten und gesunden Kontrollpersonen. *Dtsch Med Wochenschr* 1996; 121: 1519-1525.

Sido B, Otto G, Zimmermann R, Müller P, Meuer SC, **Dengler TJ**: Prolonged allograft survival by inhibition of costimulatory CD2 signals but not by modulation of CD48 (CD2 ligand) in the rat. *Transplant Int* 1996;9:336-343

Dengler TJ, Tiefenbacher CP, Braun K, Sack FU, Zimmermann R, Kübler W: Impaired renal function but not high cyclosporine levels determines increased endothelin plasma levels after heart transplantation. *Transplant Proc* 1995;27:1956-1957

Dengler TJ, Zimmermann R, Tiefenbacher CP, Braun K, Sack F, Kübler W. Endothelin plasma levels in acute graft rejection after heart transplantation. *J Heart Lung Transplant* 1995;14:1057-1064

Zielen S, **Dengler TJ**, Bauscher P, Meuer SC: Defective CD2 T cell pathway activation in common variable immunodeficiency (CVID). *Clin Exp Immunol* 1994;96:253-259

Hoffmann JC, **Dengler TJ**, Knolle PA, Albert Wolf M, Roux M, Wallich R, Meuer SC: A soluble form of the adhesion receptor CD58 (LFA-3) is present in human body fluids. *Eur J Immunol* 1993;23:3003-3010

Schirren CA, Völpel H, Hoffmann JC, Henning SW, Qiao L, Autschbach F, **Dengler TJ**, Döhner H, Meuer SC: Biological response modifiers render tumor cells susceptible to autologous effector mechanisms by influencing adhesion receptors. *Leuk Lymphoma* 1993;10:25-33

Scheibenbogen C, Keilholz U, Meuer S, **Dengler TJ**, Tilgen W, Hunstein W: Differential expression and release of LFA-3 and ICAM-1 in human melanoma cell lines. *Int J Cancer* 1993;54:494-498

Zimmermann R, Baki S, **Dengler TJ**, Ring GH, Remppis A, Lange R, Hagl S, Kübler W, Katus HA: Troponin T release after heart transplantation. *Br Heart J* 1993;69:395-398

Dengler TJ, Hoffmann JC, Knolle P, Albert Wolf M, Roux M, Wallich R, Meuer SC: Structural and functional epitopes of the human adhesion receptor CD58 (LFA-3). *Eur J Immunol* 1992;22:2809-2817

Dengler TJ, Robertz Vaupel GM, Dengler HJ: Albumin binding in uraemia: quantitative assessment of inhibition by endogenous ligands and carbamylation of albumin. *Eur J Clin Pharmacol* 1992;43:491-499

