

Veröffentlichungen bis Mai 2021 [1-149]

1. **Wiedenroth**, C.B., S. **Guth**, S.D. Kriechbaum, A. Breithecker, and C. Liebetrau, *Balloon pulmonary angioplasty in the treatment of chronic thromboembolic pulmonary hypertension: recent advances and future perspectives*. Kardiol Pol, 2021. **79**(2): p. 123-128.
2. Triantafyllidi, H., A. Mpahara, M. Mademli, and E. **Mayer**, *Chronic thromboembolic pulmonary hypertension due to an implantable cardioverter-defibrillator's lead thrombosis*. Hellenic J Cardiol, 2021.
3. Nagel, C., N. Benjamin, B. Egenlauf, C.A. Eichstaedt, C. Fischer, E. Paleviciute, J. Celutkiene, S. Harutyunova, E. **Mayer**, M. Nasereddin, A.M. Marra, E. Grunig, and S. **Guth**, *Effect of Supervised Training Therapy on Pulmonary Arterial Compliance and Stroke Volume in Severe Pulmonary Arterial Hypertension and Inoperable or Persistent Chronic Thromboembolic Pulmonary Hypertension*. Respiration, 2021. **100**(5): p. 369-378.
4. Kovacs, Z., S. **Guth**, D. Fistera, C. Taube, and C.B. **Wiedenroth**, *[Congenital Pulmonary Artery Stenoses as a Rare Cause of Pulmonary Hypertension]*. Pneumologie, 2021.
5. Keranov, S., O. Dorr, L. Jafari, C. Troidl, C. Liebetrau, S. Kriechbaum, T. Keller, S. Voss, T. Bauer, J. Lorenz, M.J. Richter, K. Tello, H. Gall, H.A. Ghofrani, E. **Mayer**, C.B. **Wiedenroth**, S. **Guth**, H. Lorchner, J. Poling, P. Chelladurai, S.S. Pullamsetti, T. Braun, W. Seeger, C.W. Hamm, and H. Nef, *CILP1 as a biomarker for right ventricular maladaptation in pulmonary hypertension*. Eur Respir J, 2021. **57**(4).
6. Hobohm, L., S. Kolmel, C. Niemann, P. Kumpers, V.J. Krieg, M.L. Bochenek, A.H. Lukasz, Y. Reiss, K.H. Plate, C. Liebetrau, C.B. **Wiedenroth**, S. **Guth**, T. Munzel, G. Hasenfuss, P. Wenzel, E. **Mayer**, S.V. Konstantinides, K. Schafer, and M. Lankeit, *Role of angiopoietin-2 in venous thrombus resolution and chronic thromboembolic disease*. Eur Respir J, 2021.
7. Ghofrani, H.A., A.M. D'Armini, N.H. Kim, E. **Mayer**, and G. Simonneau, *Interventional and pharmacological management of chronic thromboembolic pulmonary hypertension*. Respir Med, 2021. **177**: p. 106293.
8. **Wiedenroth** Md, C.B., A.J. Rieth Md, S. Kriechbaum Md, H.A. Ghofrani Md, A. Breithecker Md, M. Haas Md, F. Roller Md, M.J. Richter Md, M. Lankeit, L. Mielzarek, A. Rolf Md, C.W. Hamm Md, E. **Mayer** Md, S. **Guth** Md, and C. Liebetrau Md, *Exercise right heart catheterization before and after balloon pulmonary angioplasty in inoperable patients with chronic thromboembolic pulmonary hypertension*. Pulm Circ, 2020. **10**(3): p. 2045894020917884.
9. Nagel, C., M. Nasereddin, N. Benjamin, B. Egenlauf, S. Harutyunova, C.A. Eichstaedt, P. Xanthouli, E. **Mayer**, E. Grunig, and S. **Guth**, *Supervised Exercise Training in Patients with Chronic Thromboembolic Pulmonary Hypertension as Early Follow-Up Treatment after Pulmonary Endarterectomy: A Prospective Cohort Study*. Respiration, 2020. **99**(7): p. 577-588.
10. Krieg, V.J., L. Hobohm, C. Liebetrau, S. **Guth**, S. Kolmel, C. Troidl, E. **Mayer**, S.V. Konstantinides, C.B. **Wiedenroth**, and M. Lankeit, *Risk factors for chronic thromboembolic pulmonary hypertension - Importance of thyroid disease and function*. Thromb Res, 2020. **185**: p. 20-26.
11. Kriechbaum, S.D., C.B. **Wiedenroth**, K. Peters, M.A. Barde, R. Ajnwojner, J.S. Wolter, M. Haas, F.C. Roller, S. **Guth**, A.J. Rieth, A. Rolf, C.W. Hamm, E. **Mayer**, T. Keller, and C. Liebetrau, *Galectin-3, GDF-15, and sST2 for the assessment of disease severity and therapy response in patients suffering from inoperable chronic thromboembolic pulmonary hypertension*. Biomarkers, 2020. **25**(7): p. 578-586.
12. Kriechbaum, S.D., L. Scherwitz, C.B. **Wiedenroth**, F. Rudolph, J.S. Wolter, M. Haas, U. Fischer-Rasokat, A. Rolf, C.W. Hamm, E. **Mayer**, S. **Guth**, T. Keller, S.V. Konstantinides, M. Lankeit,

- and C. Liebetrau, *Mid-regional pro-atrial natriuretic peptide and copeptin as indicators of disease severity and therapy response in CTEPH*. ERJ Open Res, 2020. **6**(4).
- 13. Kriechbaum, S.D., F. Rudolph, C.B. **Wiedenroth**, L. Mielzarek, M. Haas, S. **Guth**, C.W. Hamm, E. **Mayer**, C. Liebetrau, and T. Keller, *Pregnancy-associated plasma protein A - a new indicator of pulmonary vascular remodeling in chronic thromboembolic pulmonary hypertension?* Respir Res, 2020. **21**(1): p. 204.
 - 14. Keranov, S., O. Dorr, L. Jafari, C. Troidl, C. Liebetrau, S. Kriechbaum, T. Keller, S. Voss, T. Bauer, J. Lorenz, M.J. Richter, K. Tello, H. Gall, H.A. Ghofrani, E. **Mayer**, C.B. **Wiedenroth**, S. **Guth**, H. Lorchner, J. Poling, P. Chelladurai, S.S. Pullamsetti, T. Braun, W. Seeger, C.W. Hamm, and H. Nef, *CILP1 as a biomarker for right ventricular maladaptation in pulmonary hypertension*. Eur Respir J, 2020.
 - 15. Keranov, S., O. Dorr, L. Jafari, C. Liebetrau, T. Keller, C. Troidl, S. Kriechbaum, S. Voss, M. Richter, K. Tello, H. Gall, H.A. Ghofrani, E. **Mayer**, W. Seeger, C.W. Hamm, and H. Nef, *SPARCL1 as a biomarker of maladaptive right ventricular remodelling in pulmonary hypertension*. Biomarkers, 2020. **25**(3): p. 290-295.
 - 16. Eichstaedt, C.A., J. Verwegen, M. Halank, N. Benjamin, C. Fischer, E. **Mayer**, S. **Guth**, C.B. **Wiedenroth**, B. Egenlauf, S. Harutyunova, P. Xanthouli, A.M. Marra, H. Wilkens, R. Ewert, K. Hinderhofer, and E. Grunig, *Myeloproliferative Diseases as Possible Risk Factor for Development of Chronic Thromboembolic Pulmonary Hypertension-A Genetic Study*. Int J Mol Sci, 2020. **21**(9).
 - 17. Delcroix, M., A. Torbicki, D. Gopalan, O. Sitbon, F.A. Klok, I. Lang, D. Jenkins, N.H. Kim, M. Humbert, X. Jais, A.V. Noordegraaf, J. Pepke-Zaba, P. Brenot, P. Dorfmuller, E. Fadel, H.A. Ghofrani, M.M. Hooper, P. Jansa, M. Madani, H. Matsubara, T. Ogo, E. Grunig, A. D'Armini, N. Galie, B. Meyer, P. Corkery, G. Meszaros, E. **Mayer**, and G. Simonneau, *ERS Statement on Chronic Thromboembolic Pulmonary Hypertension*. Eur Respir J, 2020.
 - 18. Bochenek, M.L., C. Leidinger, N.S. Rosinus, R. Gogiraju, S. **Guth**, L. Hobohm, K. Jurk, E. **Mayer**, T. Munzel, M. Lankeit, M. Bosmann, S. Konstantinides, and K. Schafer, *Activated Endothelial TGFbeta1 Signaling Promotes Venous Thrombus Nonresolution in Mice Via Endothelin-1: Potential Role for Chronic Thromboembolic Pulmonary Hypertension*. Circ Res, 2020. **126**(2): p. 162-181.
 - 19. Barco, S., F.A. Klok, S.V. Konstantinides, P. Darteville, E. Fadel, D. Jenkins, N.H. Kim, M. Madani, H. Matsubara, E. **Mayer**, J. Pepke-Zaba, G. Simonneau, M. Delcroix, and I.M. Lang, *Sex-specific differences in chronic thromboembolic pulmonary hypertension. Results from the European CTEPH registry*. J Thromb Haemost, 2020. **18**(1): p. 151-161.
 - 20. **Wiedenroth**, C.B., *Multimodality treatment for chronic thromboembolic pulmonary hypertension*. Int J Cardiol, 2019. **278**: p. 238-239.
 - 21. Roller, F.C., S. Kriechbaum, A. Breithecker, C. Liebetrau, M. Haas, C. Schneider, A. Rolf, S. **Guth**, E. **Mayer**, C. Hamm, G.A. Krombach, and C.B. **Wiedenroth**, *Correlation of native T1 mapping with right ventricular function and pulmonary haemodynamics in patients with chronic thromboembolic pulmonary hypertension before and after balloon pulmonary angioplasty*. Eur Radiol, 2019. **29**(3): p. 1565-1573.
 - 22. Newham, M., K. South, M. Bleda, W.R. Auger, J.A. Barberà, H. Bogaard, K. Bunclark, J.E. Cannon, M. Delcroix, C. Hadinnapola, L.S. Howard, D. Jenkins, E. **Mayer**, C. Ng, C.J. Rhodes, N. Scream, K. Sheares, M.A. Simpson, M. Southwood, L. Su, D. Taboada, M. Traylor, R.C. Trembath, S.S. Villar, M.R. Wilkins, J. Wharton, S. Gräf, J. Pepke-Zaba, M. Laffan, D.A. Lane, N.W. Morrell, and M. Toshner, *The ADAMTS13-VWF axis is dysregulated in chronic thromboembolic pulmonary hypertension*. Eur Respir J, 2019. **53**(3).
 - 23. Kriechbaum, S.D., C.B. **Wiedenroth**, M.L. Hesse, R. Ajnwojner, T. Keller, J. Sebastian Wolter, M. Haas, F.C. Roller, A. Breithecker, A.J. Rieth, S. **Guth**, A. Rolf, C.W. Hamm, E. **Mayer**, and C. Liebetrau, *Development of renal function during staged balloon pulmonary angioplasty for*

- inoperable chronic thromboembolic pulmonary hypertension.* Scand J Clin Lab Invest, 2019. **79**(4): p. 268-275.
24. Kolmel, S., L. Hobohm, A. Kaberich, V.J. Krieg, M.L. Bochenek, P. Wenzel, C.B. **Wiedenroth**, C. Liebetrau, G. Hasenfuss, E. **Mayer**, S.V. Konstantinides, K. Schafer, S. **Guth**, and M. Lankeit, *Potential Involvement of Osteopontin in Inflammatory and Fibrotic Processes in Pulmonary Embolism and Chronic Thromboembolic Pulmonary Hypertension.* Thromb Haemost, 2019. **119**(8): p. 1332-1346.
25. Klok, F.A., D. **Pruefer**, A. Rolf, and S.V. Konstantinides, *Magnetic resonance direct thrombus imaging for pre-operative assessment of acute thrombosis in chronic thromboembolic pulmonary hypertension.* Eur Heart J, 2019. **40**(11): p. 944.
26. Kim, N.H., M. Delcroix, X. Jais, M.M. Madani, H. Matsubara, E. **Mayer**, T. Ogo, V.F. Tapson, H.A. Ghofrani, and D.P. Jenkins, *Chronic thromboembolic pulmonary hypertension.* Eur Respir J, 2019. **53**(1).
27. Wilkens, H., S. Konstantinides, I.M. Lang, A.C. Bunck, M. Gerges, F. Gerhardt, A. Grgic, C. Grohe, S. **Guth**, M. Held, J.B. Hinrichs, M.M. Hoeper, W. Klepetko, T. Kramm, U. Kruger, M. Lankeit, B.C. Meyer, K.M. Olsson, H.J. Schafers, M. Schmidt, H.J. Seyfarth, S. Ulrich, C.B. **Wiedenroth**, and E. **Mayer**, *Chronic thromboembolic pulmonary hypertension (CTEPH): Updated Recommendations from the Cologne Consensus Conference 2018.* Int J Cardiol, 2018.
28. **Wiedenroth**, C.B., K.M. Olsson, S. **Guth**, A. Breithecker, M. Haas, J.C. Kamp, J. Fuge, J.B. Hinrichs, F. Roller, C.W. Hamm, E. **Mayer**, H.A. Ghofrani, B.C. Meyer, and C. Liebetrau, *Balloon pulmonary angioplasty for inoperable patients with chronic thromboembolic disease.* Pulm Circ, 2018. **8**(1): p. 2045893217753122.
29. **Wiedenroth**, C.B., H.A. Ghofrani, M.S.D. Adameit, A. Breithecker, M. Haas, S. Kriechbaum, A. Rieth, C.W. Hamm, E. **Mayer**, S. **Guth**, and C. Liebetrau, *Sequential treatment with riociguat and balloon pulmonary angioplasty for patients with inoperable chronic thromboembolic pulmonary hypertension.* Pulm Circ, 2018. **8**(3): p. 2045894018783996.
30. Stanzel, R.D.P., J. Gehron, M. Wolff, N. Striegl, P. Roth, R.H. Boedeker, C. Scheibelhut, J. Herrmann, I. Welters, E. **Mayer**, and M. Scheffler, *International survey on the perioperative management of pulmonary endarterectomy: the perfusion perspective.* Perfusion, 2018. **33**(1): p. 53-61.
31. Richter, M.J., S. Harutyunova, T. Bollmann, S. Classen, H. Gall, F. Gerhardt Md, F. Grimminger, J. Grimminger, E. Grunig, S. **Guth**, M. Halank, A. Heine, M.M. Hoeper, H. Klose, T.J. Lange, K. Meyer, C. Neurohr, K. Nickolaus, K.M. Olsson, C.F. Opitz, S. Rosenkranz, H.J. Seyfarth, C. Warnke, C. **Wiedenroth**, H.A. Ghofrani, and R. Ewert, *Long-term safety and outcome of intravenous treprostинil via an implanted pump in pulmonary hypertension.* J Heart Lung Transplant, 2018. **37**(10): p. 1235-1244.
32. Lankeit, M., V. Krieg, L. Hobohm, S. Kolmel, C. Liebetrau, S. Konstantinides, C.W. Hamm, E. **Mayer**, C.B. **Wiedenroth**, and S. **Guth**, *Pulmonary endarterectomy in chronic thromboembolic pulmonary hypertension.* J Heart Lung Transplant, 2018. **37**: p. 250-258.
33. Kriechbaum, S.D., C.B. **Wiedenroth**, J.S. Wolter, R. Hutz, M. Haas, A. Breithecker, F.C. Roller, T. Keller, S. **Guth**, A. Rolf, C.W. Hamm, E. **Mayer**, and C. Liebetrau, *N-terminal pro-B-type natriuretic peptide for monitoring after balloon pulmonary angioplasty for chronic thromboembolic pulmonary hypertension.* J Heart Lung Transplant, 2018. **37**(5): p. 639-646.
34. Kriechbaum, S.D., C.B. **Wiedenroth**, T. Keller, J.S. Wolter, R. Ajnwojner, K. Peters, M.A. Haas, F.C. Roller, A. Breithecker, A.J. Rieth, S. **Guth**, A. Rolf, D. Bandorski, C.W. Hamm, E. **Mayer**, and C. Liebetrau, *Dynamics of high-sensitivity cardiac troponin T during therapy with balloon pulmonary angioplasty for chronic thromboembolic pulmonary hypertension.* PLoS One, 2018. **13**(9): p. e0204683.
35. Kramm, T., H. Wilkens, J. Fuge, H.J. Schafers, S. **Guth**, C.B. **Wiedenroth**, B. Weingard, D. Huscher, D. Pittrow, S. Cebotari, M.M. Hoeper, E. **Mayer**, and K.M. Olsson, *Incidence and*

characteristics of chronic thromboembolic pulmonary hypertension in Germany. Clin Res Cardiol, 2018. **107**(7): p. 548-553.

36. Klok, F.A., S. Barco, S.V. Konstantinides, P. Darteville, E. Fadel, D. Jenkins, N.H. Kim, M. Madani, H. Matsubara, E. **Mayer**, J. Pepke-Zaba, M. Delcroix, and I.M. Lang, *Determinants of diagnostic delay in chronic thromboembolic pulmonary hypertension: results from the European CTEPH Registry.* Eur Respir J, 2018. **52**(6).
37. **Guth**, S., C.B. **Wiedenroth**, M. Wollenschlager, M.J. Richter, H.A. Ghofrani, M. Arlt, and E. **Mayer**, *Short-term venoarterial extracorporeal membrane oxygenation for massive endobronchial hemorrhage after pulmonary endarterectomy.* J Thorac Cardiovasc Surg, 2018. **155**(2): p. 643-649.
38. **Guth**, S., C.B. **Wiedenroth**, A. Rieth, M.J. Richter, E. Gruenig, H.A. Ghofrani, M. Arlt, C. Liebetrau, D. Prüfer, A. Rolf, C.W. Hamm, and E. **Mayer**, *Exercise right heart catheterisation before and after pulmonary endarterectomy in patients with chronic thromboembolic disease.* Eur Respir J, 2018. **52**(3).
39. Bazmpani, M.A., A. Arvanitaki, M. Toumpourleka, G. Pitsiou, E. Panagiotidou, S.A. Mouratoglou, G. Sianos, S. Hadjimiltiades, A. Pitsis, E. **Mayer**, I. Stanopoulos, H. Karvounis, and G. Giannakoulas, *Epidemiology and management of chronic thromboembolic pulmonary hypertension: experience from two expert centers.* Hellenic J Cardiol, 2018. **59**(1): p. 16-23.
40. Bazmpani, M.A., G. Arsos, P. Zarogoulidis, A. Doumas, T. Dimitroulas, G. Sianos, S. Hadjimiltiades, K. Kouskouras, E. **Mayer**, H. Karvounis, and G. Giannakoulas, *A case of sarcoidosis-associated pulmonary hypertension masquerading as chronic thromboembolic pulmonary hypertension.* Pulm Circ, 2018. **8**(3): p. 2045894018768289.
41. **Wiedenroth**, C.B., C. Liebetrau, H. Gall, T. Risch, M. Arlt, E. **Mayer**, and S. **Guth**, *The effective systematic heparin pre-treatment on thrombus formation on pulmonary artery catheter tips during pulmonary endarterectomy for chronic thromboembolic pulmonary hypertension: a randomized, double-blind study.* J Thromb Thrombolysis, 2017. **44**(3): p. 335-340.
42. Stanzel, R.D.P., J. Gehron, M. Wolff, N. Striegl, P. Roth, R.H. Boedeker, C. Scheibelhut, J. Herrmann, I. Welters, E. **Mayer**, and M. Scheffler, *International survey on the perioperative management of pulmonary endarterectomy: the perfusion perspective.* Perfusion, 2017: p. 267659117724865.
43. Roller, F.C., C. **Wiedenroth**, A. Breithecker, C. Liebetrau, E. **Mayer**, C. Schneider, A. Rolf, C. Hamm, and G.A. Krombach, *Native T1 mapping and extracellular volume fraction measurement for assessment of right ventricular insertion point and septal fibrosis in chronic thromboembolic pulmonary hypertension.* Eur Radiol, 2017. **27**(5): p. 1980-1991.
44. Richter, M.J., P. Pader, H. Gall, F. Reichenberger, W. Seeger, E. **Mayer**, S. **Guth**, T. Kramm, F. Grimminger, H.A. Ghofrani, and R. Voswinckel, *The prognostic relevance of oxygen uptake in inoperable chronic thromboembolic pulmonary hypertension.* Clin Respir J, 2017. **11**(6): p. 682-690.
45. Richter, M.J., H. Gall, G. Wittkamper, W. Seeger, E. **Mayer**, H.A. Ghofrani, S. **Guth**, and F. Reichenberger, *Inspiratory capacity is not altered in operable chronic thromboembolic pulmonary hypertension.* Pulmonary circulation, 2017. **7**(2): p. 543-546.
46. Richter, M.J., H. Gall, G. Wittkamper, W. Seeger, E. **Mayer**, A. Ghofrani, S. **Guth**, and F. Reichenberger, *EXPRESS: Inspiratory capacity is not altered in operable chronic thromboembolic pulmonary hypertension.* Pulm Circ, 2017: p. 2045893217709763.
47. Olsson, K.M., C.B. **Wiedenroth**, J.C. Kamp, A. Breithecker, J. Fuge, G.A. Krombach, M. Haas, C. Hamm, T. Kramm, S. **Guth**, H.A. Ghofrani, J.B. Hinrichs, S. Cebotari, K. Meyer, M.M. Hoeper, E. **Mayer**, C. Liebetrau, and B.C. Meyer, *Balloon pulmonary angioplasty for inoperable patients with chronic thromboembolic pulmonary hypertension: the initial German experience.* Eur Respir J, 2017. **49**(6).

48. Lang, I., B.C. Meyer, T. Ogo, H. Matsubara, M. Kurzyna, H.A. Ghofrani, E. **Mayer**, and P. Brenot, *Balloon pulmonary angioplasty in chronic thromboembolic pulmonary hypertension*. Eur Respir Rev, 2017. **26**(143).
49. Kriechbaum, S.D., C.B. **Wiedenroth**, J.S. Wolter, R. Hutz, M. Haas, A. Breithecker, F.C. Roller, T. Keller, S. **Guth**, A. Rolf, C.W. Hamm, E. **Mayer**, and C. Liebetrau, *N-terminal pro-B-type natriuretic peptide for monitoring after balloon pulmonary angioplasty for chronic thromboembolic pulmonary hypertension*. J Heart Lung Transplant, 2017.
50. Kim, N.H., A.M. D'Armini, F. Grimminger, E. Grunig, M.M. Hoeper, P. Jansa, E. **Mayer**, C. Neurohr, G. Simonneau, A. Torbicki, C. Wang, A. Fritsch, N. Davie, and H.A. Ghofrani, *Haemodynamic effects of riociguat in inoperable/recurrent chronic thromboembolic pulmonary hypertension*. Heart, 2017. **103**(8): p. 599-606.
51. Jenkins, D., M. Madani, E. Fadel, A.M. D'Armini, and E. **Mayer**, *Pulmonary endarterectomy in the management of chronic thromboembolic pulmonary hypertension*. Eur Respir Rev, 2017. **26**(143).
52. Ghofrani, H.A., G. Simonneau, A.M. D'Armini, P. Fedullo, L.S. Howard, X. Jais, D.P. Jenkins, Z.C. Jing, M.M. Madani, N. Martin, E. **Mayer**, K. Papadakis, D. Richard, N.H. Kim, and M.s. investigators, *Macitentan for the treatment of inoperable chronic thromboembolic pulmonary hypertension (MERIT-1): results from the multicentre, phase 2, randomised, double-blind, placebo-controlled study*. Lancet Respir Med, 2017. **5**(10): p. 785-794.
53. Gall, H., M.M. Hoeper, M.J. Richter, W. Cacheris, B. Hinzmann, and E. **Mayer**, *An epidemiological analysis of the burden of chronic thromboembolic pulmonary hypertension in the USA, Europe and Japan*. Eur Respir Rev, 2017. **26**(143).
54. Bochenek, M.L., N.S. Rosinus, M. Lankeit, L. Hobohm, F. Bremmer, E. Schutz, F.A. Klok, S. Horke, C.B. **Wiedenroth**, T. Munzel, I.M. Lang, E. **Mayer**, S. Konstantinides, and K. Schafer, *From thrombosis to fibrosis in chronic thromboembolic pulmonary hypertension*. Thromb Haemost, 2017. **117**(4): p. 769-783.
55. Bazmpani, M.A., A. Arvanitaki, M. Toumpourleka, G. Pitsiou, E. Panagiotidou, S.A. Mouratoglou, G. Sianos, S. Hadjimiltiades, A. Pitsis, E. **Mayer**, I. Stanopoulos, H. Karvounis, and G. Giannakoulas, *Epidemiology and management of chronic thromboembolic pulmonary hypertension: experience from two expert centers*. Hellenic journal of cardiology : HJC = Hellenike kardiologike epitheorese, 2017.
56. Bandorski, D., R. Hoeltgen, N. Becker, W. Padberg, H. Bogossian, C. **Wiedenroth**, M. Arlt, C. Hamm, W. Seeger, H.A. Ghofrani, M. Hecker, H. Gall, and K. **Mayer**, *Follow-Up (Measurement) of Corrected QT Interval in Adult Patients before and after Lung Transplantation*. Biomed Res Int, 2017. **2017**: p. 4519796.
57. Wilkens, H., S. Konstantinides, I. Lang, A.C. Bunck, M. Gerges, F. Gerhardt, A. Grgic, C. Grohe, S. **Guth**, M. Held, J. Hinrichs, M.M. Hoeper, W. Klepetko, T. Kramm, U. Kruger, M. Lankeit, B.C. Meyer, K.M. Olsson, H.J. Schafers, M. Schmidt, H.J. Seyfarth, S. Ulrich, C.B. **Wiedenroth**, and E. **Mayer**, *[Chronic thromboembolic pulmonary hypertension: Recommendations of the Cologne Consensus Conference 2016]*. Dtsch Med Wochenschr, 2016. **141**(S 01): p. S62-S69.
58. **Wiedenroth**, C.B., C. Liebetrau, A. Breithecker, S. **Guth**, H.J. Lautze, E. Ortmann, M. Arlt, G.A. Krombach, D. Bandorski, C.W. Hamm, H. Mollmann, and E. **Mayer**, *Combined pulmonary endarterectomy and balloon pulmonary angioplasty in patients with chronic thromboembolic pulmonary hypertension*. J Heart Lung Transplant, 2016. **35**(5): p. 591-6.
59. Simonneau, G., A.M. D'Armini, H.A. Ghofrani, F. Grimminger, P. Jansa, N.H. Kim, E. **Mayer**, T. Pulido, C. Wang, P. Colorado, A. Fritsch, C. Meier, S. Nikkho, and M.M. Hoeper, *Predictors of long-term outcomes in patients treated with riociguat for chronic thromboembolic pulmonary hypertension: data from the CHEST-2 open-label, randomised, long-term extension trial*. Lancet Respir Med, 2016. **4**(5): p. 372-80.

60. Richter, M.J., K. Milger, K. Tello, P. Stille, W. Seeger, E. **Mayer**, H.A. Ghofrani, and H. Gall, *Heart rate response during 6-minute walking testing predicts outcome in operable chronic thromboembolic pulmonary hypertension*. BMC Pulm Med, 2016. **16**(1): p. 96.
61. Mathai, S.C., H.A. Ghofrani, E. **Mayer**, J. Pepke-Zaba, S. Nikkho, and G. Simonneau, *Quality of life in patients with chronic thromboembolic pulmonary hypertension*. Eur Respir J, 2016. **48**(2): p. 526-37.
62. Madani, M., E. **Mayer**, E. Fadel, and D.P. Jenkins, *Pulmonary Endarterectomy. Patient Selection, Technical Challenges, and Outcomes*. Ann Am Thorac Soc, 2016. **13 Suppl 3**: p. S240-7.
63. Konstantinides, S.V., S. Barco, S. Rosenkranz, M. Lankeit, M. Held, F. Gerhardt, L. Bruch, R. Ewert, M. Faehling, J. Freise, H.A. Ghofrani, E. Grunig, M. Halank, N. Heydenreich, M.M. Hoeper, H.H. Leuchte, E. **Mayer**, F.J. Meyer, C. Neurohr, C. Opitz, A. Pinto, H.J. Seyfarth, R. Wachter, B. Zapf, H. Wilkens, H. Binder, and P.S. Wild, *Late outcomes after acute pulmonary embolism: rationale and design of FOCUS, a prospective observational multicenter cohort study*. J Thromb Thrombolysis, 2016. **42**(4): p. 600-9.
64. Jenkins, D.P., A. Biederman, A.M. D'Armini, P.G. Darteville, H.L. Gan, W. Klepetko, J. Lindner, E. **Mayer**, and M.M. Madani, *Operability assessment in CTEPH: Lessons from the CHEST-1 study*. J Thorac Cardiovasc Surg, 2016. **152**(3): p. 669-674 e3.
65. **Guth**, S., C.B. **Wiedenroth**, T. Kramm, and E. **Mayer**, *Pulmonary endarterectomy for the treatment of chronic thromboembolic pulmonary hypertension*. Expert Rev Respir Med, 2016. **10**(6): p. 673-84.
66. Delcroix, M., I. Lang, J. Pepke-Zaba, P. Jansa, A.M. D'Armini, R. Snijder, P. Bresser, A. Torbicki, S. Mellemkjaer, J. Lewczuk, I. Simkova, J.A. Barbera, M. de Perrot, M.M. Hoeper, S. Gaine, R. Speich, M.A. Gomez-Sanchez, G. Kovacs, X. Jais, D. Ambroz, C. Treacy, M. Morsolini, D. Jenkins, J. Lindner, P. Darteville, E. **Mayer**, and G. Simonneau, *Long-Term Outcome of Patients With Chronic Thromboembolic Pulmonary Hypertension: Results From an International Prospective Registry*. Circulation, 2016. **133**(9): p. 859-71.
67. Simonneau, G., A.M. D'Armini, H.A. Ghofrani, F. Grimminger, M.M. Hoeper, P. Jansa, N.H. Kim, C. Wang, M.R. Wilkins, A. Fritsch, N. Davie, P. Colorado, and E. **Mayer**, *Riociguat for the treatment of chronic thromboembolic pulmonary hypertension: a long-term extension study (CHEST-2)*. Eur Respir J, 2015. **45**(5): p. 1293-302.
68. Rolf, A., J. Rixe, W.K. Kim, S. **Guth**, N. Korlings, H. Mollmann, H.M. Nef, C. Liebetrau, G. Krombach, T. Kramm, E. **Mayer**, and C.W. Hamm, *Pulmonary vascular remodeling before and after pulmonary endarterectomy in patients with chronic thromboembolic pulmonary hypertension: a cardiac magnetic resonance study*. Int J Cardiovasc Imaging, 2015. **31**(3): p. 613-9.
69. Richter, M.J., N. Sommer, H. Gall, R. Voswinckel, W. Seeger, E. **Mayer**, C.B. **Wiedenroth**, A. Rieth, F. Grimminger, S. **Guth**, and H.A. Ghofrani, *Pulmonary Hemodynamic Response to Exercise in Chronic Thromboembolic Pulmonary Hypertension before and after Pulmonary Endarterectomy*. Respiration, 2015. **90**(1): p. 63-73.
70. Richter, M.J., P. Pader, H. Gall, F. Reichenberger, W. Seeger, E. **Mayer**, S. **Guth**, T. Kramm, F. Grimminger, H.A. Ghofrani, and R. Voswinckel, *The prognostic relevance of oxygen uptake in inoperable chronic thromboembolic pulmonary hypertension*. Clin Respir J, 2015.
71. Kim, N.H. and E. **Mayer**, *Chronic thromboembolic pulmonary hypertension: the evolving treatment landscape*. Eur Respir Rev, 2015. **24**(136): p. 173-7.
72. Grunig, E., C.A. Eichstaedt, N. Ehlken, E. **Mayer**, and H. Klose, [Pulmonary hypertension: Possible genetic causes and therapeutic options]. Herz, 2015. **40**(3): p. 457-68; quiz 469-70.
73. D'Armini, A.M., H.A. Ghofrani, N.H. Kim, E. **Mayer**, M. Morsolini, T. Pulido-Zamudio, G. Simonneau, M.R. Wilkins, J. Curram, N. Davie, and M.M. Hoeper, *Use of responder threshold criteria to evaluate the response to treatment in the phase III CHEST-1 study*. J Heart Lung Transplant, 2015. **34**(3): p. 348-55.

74. Wirth, G., K. Bruggemann, T. Bostel, E. **Mayer**, C. Duber, and K.F. Kreitner, *Chronic thromboembolic pulmonary hypertension (CTEPH) - potential role of multidetector-row CT (MD-CT) and MR imaging in the diagnosis and differential diagnosis of the disease*. Rofo, 2014. **186**(8): p. 751-61.
75. Wilkens, H., I. Lang, T. Blankenburg, C. Grohe, S. **Guth**, M. Held, W. Klepetko, S. Konstantinides, T. Kramm, U. Kruger, M. Lankeit, H.J. Schafers, H.J. Seyfarth, and E. **Mayer**, [Chronic thromboembolic pulmonary hypertension--a position paper]. Dtsch Med Wochenschr, 2014. **139 Suppl 4**: p. S155-65.
76. **Wiedenroth**, C.B., S. **Guth**, A. Rolf, and E. **Mayer**, *Chronic thromboembolic pulmonary hypertension after pulmonary embolism, thrombolysis, catheter fragmentation, and embolectomy*. Thorac Cardiovasc Surg Rep, 2014. **3**(1): p. 55-7.
77. Simonneau, G., A.M. D'Armini, H.A. Ghofrani, F. Grimminger, M.M. Hoeper, P. Jansa, N.H. Kim, C. Wang, M. Wilkins, A. Fritsch, N. Davie, P. Colorado, and E. **Mayer**, *Riociguat for the treatment of chronic thromboembolic pulmonary hypertension: a long-term extension study (CHEST-2)*. Eur Respir J, 2014.
78. Rolf, A., J. Rixe, W.K. Kim, J. Borgel, H. Mollmann, H.M. Nef, C. Liebetrau, T. Kramm, S. **Guth**, G.A. Krombach, E. **Mayer**, and C.W. Hamm, *Right ventricular adaptation to pulmonary pressure load in patients with chronic thromboembolic pulmonary hypertension before and after successful pulmonary endarterectomy--a cardiovascular magnetic resonance study*. J Cardiovasc Magn Reson, 2014. **16**: p. 96.
79. **Mayer**, E. and M.M. Idrees, *Saudi Guidelines on the Diagnosis and Treatment of Pulmonary Hypertension: Chronic thromboembolic pulmonary hypertension*. Ann Thorac Med, 2014. **9**(Suppl 1): p. S62-6.
80. Konstantinides, S.V., A. Torbicki, G. Agnelli, N. Danchin, D. Fitzmaurice, N. Galie, J.S. Gibbs, M.V. Huisman, M. Humbert, N. Kucher, I. Lang, M. Lankeit, J. Lekakis, C. Maack, E. **Mayer**, N. Meneveau, A. Perrier, P. Pruszczynk, L.H. Rasmussen, T.H. Schindler, P. Svitil, A. Vonk Noordegraaf, J.L. Zamorano, and M. Zompatori, *2014 ESC guidelines on the diagnosis and management of acute pulmonary embolism*. Eur Heart J, 2014. **35**(43): p. 3033-69, 3069a-3069k.
81. Kim, N.H., M. Delcroix, D.P. Jenkins, R. Channick, P. Darteville, P. Jansa, I. Lang, M.M. Madani, H. Ogino, V. Pengo, and E. **Mayer**, [Chronic thromboembolic pulmonary hypertension]. Turk Kardiyol Dern Ars, 2014. **42 Suppl 1**: p. 119-29.
82. **Guth**, S., T. Kramm, C. **Wiedenroth**, and E. **Mayer**, *Pulmonale Endarterektomie bei chronisch-thrombembolischer pulmonaler Hypertonie*. Zeitschrift für Herz-, Thorax- und Gefäßchirurgie, 2014(3): p. xx-xx.
83. de Perrot, M. and E. **Mayer**, *Chronic thromboembolic pulmonary hypertension: do we need a new definition?* Eur Respir J, 2014. **44**(6): p. 1401-3.
84. Alias, S., B. Redwan, A. Panzenbock, M.P. Winter, U. Schubert, R. Voswinckel, M.K. Frey, J. Jakowitsch, A. Alimohammadi, L. Hobohm, A. Mangold, H. Bergmeister, M. Sibilia, E.F. Wagner, E. **Mayer**, W. Klepetko, T.J. Holzenbein, K.T. Preissner, and I.M. Lang, *Defective angiogenesis delays thrombus resolution: a potential pathogenetic mechanism underlying chronic thromboembolic pulmonary hypertension*. Arterioscler Thromb Vasc Biol, 2014. **34**(4): p. 810-9.
85. Lang, I.M., G. Simonneau, J.W. Pepke-Zaba, E. **Mayer**, D. Ambroz, I. Blanco, A. Torbicki, S. Mellemkjaer, A. Yaici, and M. Delcroix, *Factors associated with diagnosis and operability of chronic thromboembolic pulmonary hypertension. A case-control study*. Thromb Haemost, 2013. **110**(1): p. 83-91.
86. Kreitner, K.F., G.M. Wirth, F. Krummenauer, S. Weber, M.B. Pitton, J. Schneider, E. **Mayer**, and C. Dueber, *Noninvasive assessment of pulmonary hemodynamics in patients with chronic thromboembolic pulmonary hypertension by high temporal resolution phase-contrast MRI*:

- correlation with simultaneous invasive pressure recordings.* Circ Cardiovasc Imaging, 2013. **6**(5): p. 722-9.
87. Kim, N.H., M. Delcroix, D.P. Jenkins, R. Channick, P. Darteville, P. Jansa, I. Lang, M.M. Madani, H. Ogino, V. Pengo, and E. **Mayer**, *Chronic thromboembolic pulmonary hypertension.* J Am Coll Cardiol, 2013. **62**(25 Suppl): p. D92-9.
88. Jenkins, D.P., M. Madani, E. **Mayer**, K. Kerr, N. Kim, W. Klepetko, M. Morsolini, and P. Darteville, *Surgical treatment of chronic thromboembolic pulmonary hypertension.* Eur Respir J, 2013. **41**(3): p. 735-42.
89. Harzheim, D., H. Klose, F.P. Pinado, N. Ehlken, C. Nagel, C. Fischer, A. Ghofrani, S. Rosenkranz, H.J. Seyfarth, M. Halank, E. **Mayer**, E. Grunig, and S. **Guth**, *Anxiety and depression disorders in patients with pulmonary arterial hypertension and chronic thromboembolic pulmonary hypertension.* Respir Res, 2013. **14**: p. 104.
90. Ghofrani, H.A., A.M. D'Armini, F. Grimminger, M.M. Hoeper, P. Jansa, N.H. Kim, E. **Mayer**, G. Simonneau, M.R. Wilkins, A. Fritsch, D. Neuser, G. Weimann, and C. Wang, *Riociguat for the treatment of chronic thromboembolic pulmonary hypertension.* N Engl J Med, 2013. **369**(4): p. 319-29.
91. Ley, S., J. Ley-Zaporozhan, M.B. Pitton, J. Schneider, G.M. Wirth, E. **Mayer**, C. Duber, and K.F. Kreitner, *Diagnostic performance of state-of-the-art imaging techniques for morphological assessment of vascular abnormalities in patients with chronic thromboembolic pulmonary hypertension (CTEPH).* Eur Radiol, 2012. **22**(3): p. 607-16.
92. Jenkins, D., E. **Mayer**, N. Sreaton, and M. Madani, *State-of-the-art chronic thromboembolic pulmonary hypertension diagnosis and management.* Eur Respir Rev, 2012. **21**(123): p. 32-9.
93. Wilkens, H., I. Lang, J. Behr, T. Berghaus, C. Grohe, S. **Guth**, M.M. Hoeper, T. Kramm, U. Kruger, F. Langer, S. Rosenkranz, H.J. Schafers, M. Schmidt, H.J. Seyfarth, T. Wahlers, H. Worth, and E. **Mayer**, *Chronic thromboembolic pulmonary hypertension (CTEPH): updated Recommendations of the Cologne Consensus Conference 2011.* Int J Cardiol, 2011. **154 Suppl 1**: p. S54-60.
94. Pepke-Zaba, J., M. Delcroix, I. Lang, E. **Mayer**, P. Jansa, D. Ambroz, C. Treacy, A.M. D'Armini, M. Morsolini, R. Snijder, P. Bresser, A. Torbicki, B. Kristensen, J. Lewczuk, I. Simkova, J.A. Barbera, M. de Perrot, M.M. Hoeper, S. Gaine, R. Speich, M.A. Gomez-Sanchez, G. Kovacs, A.M. Hamid, X. Jais, and G. Simonneau, *Chronic thromboembolic pulmonary hypertension (CTEPH): results from an international prospective registry.* Circulation, 2011. **124**(18): p. 1973-81.
95. **Mayer**, E., D. Jenkins, J. Lindner, A. D'Armini, J. Kloek, B. Meyns, L.B. Ilkjær, W. Klepetko, M. Delcroix, I. Lang, J. Pepke-Zaba, G. Simonneau, and P. Darteville, *Surgical management and outcome of patients with chronic thromboembolic pulmonary hypertension: results from an international prospective registry.* J Thorac Cardiovasc Surg, 2011. **141**(3): p. 702-10.
96. Wilkens, H., I. Lang, J. Behr, T. Berghaus, C. Grohe, S. **Guth**, M.M. Hoeper, T. Kramm, U. Kruger, F. Langer, H.J. Schafers, M. Schmidt, H.J. Seyfarth, T. Wahlers, H. Worth, and E. **Mayer**, *[Chronic thromboembolic pulmonary hypertension: recommendations of the Cologne Consensus Conference 2010].* Dtsch Med Wochenschr, 2010. **135 Suppl 3**: p. S125-30.
97. **Mayer**, E., *Surgical and post-operative treatment of chronic thromboembolic pulmonary hypertension.* Eur Respir Rev, 2010. **19**(115): p. 64-7.
98. von Haehling, S., R.S. von Bardeleben, T. Kramm, Y. Thiermann, M. Niethammer, W. Doechner, S.D. Anker, T. Munzel, E. **Mayer**, and S. Genth-Zotz, *Inflammation in right ventricular dysfunction due to thromboembolic pulmonary hypertension.* Int J Cardiol, 2009.
99. Kuroczynski, W., A.A. Peivandi, P. Ewald, D. **Pruefer**, M. Heinemann, and C.F. Vahl, *Cardiac myxomas: short- and long-term follow-up.* Cardiol J, 2009. **16**(5): p. 447-54.
100. Keogh, A.M., E. **Mayer**, R.L. Benza, P. Corris, P.G. Darteville, A.E. Frost, N.H. Kim, I.M. Lang, J. Pepke-Zaba, and J. Sandoval, *Interventional and surgical modalities of treatment in pulmonary hypertension.* J Am Coll Cardiol, 2009. **54**(1 Suppl): p. S67-77.

101. Kuroczynski, W., C. Kampmann, N. Kayhan, M. Heinemann, D. **Pruefer**, and C.F. Vahl, *Anomalous origin of the left coronary artery from the pulmonary artery: mid-term results after surgical correction*. Clin Res Cardiol, 2008. **97**(4): p. 266-71.
102. Kuroczynski, W., M. Hartert, D. **Pruefer**, K. Pitzer-Hartert, M. Heinemann, and C.F. Vahl, *Surgical treatment of aortic coarctation in adults: Beneficial effect on arterial hypertension*. Cardiol J, 2008. **15**(6): p. 537-42.
103. Jais, X., A.M. D'Armini, P. Jansa, A. Torbicki, M. Delcroix, H.A. Ghofrani, M.M. Hoeper, I.M. Lang, E. **Mayer**, J. Pepke-Zaba, L. Perchenet, A. Morganti, G. Simonneau, L.J. Rubin, and G. Bosentan Effects in iNopErable Forms of chronic Thromboembolic pulmonary hypertension Study, *Bosentan for treatment of inoperable chronic thromboembolic pulmonary hypertension: BENEFiT (Bosentan Effects in iNopErable Forms of chronic Thromboembolic pulmonary hypertension), a randomized, placebo-controlled trial*. J Am Coll Cardiol, 2008. **52**(25): p. 2127-34.
104. Gatto, P., U. Vrhovsek, J. Muth, C. Segala, C. Romualdi, P. Fontana, D. **Pruefer**, M. Stefanini, C. Moser, F. Mattivi, and R. Velasco, *Ripening and genotype control stilbene accumulation in healthy grapes*. J Agric Food Chem, 2008. **56**(24): p. 11773-85.
105. Carter, J., U. Buerke, E. Rossner, M. Russ, S. Schubert, H. Schmidt, H. Ebelt, D. **Pruefer**, A. Schlitt, K. Werdan, and M. Buerke, *Anti-inflammatory actions of aprotinin provide dose-dependent cardioprotection from reperfusion injury*. Br J Pharmacol, 2008. **155**(1): p. 93-102.
106. Buerke, U., D. **Pruefer**, J.M. Carter, M. Russ, A. Schlitt, R. Prondzinsky, J. Makowski, S. Rohrbach, B. Niemann, C. Schulze, M. Dahm, C.F. Vahl, K. Werdan, and M. Buerke, *Sodium/hydrogen exchange inhibition with cariporide reduces leukocyte adhesion via P-selectin suppression during inflammation*. Br J Pharmacol, 2008. **153**(8): p. 1678-85.
107. Reichenberger, F., R. Voswinckel, B. Enke, M. Rutsch, E. El Fechtali, T. Schmehl, H. Olschewski, R. Schermuly, N. Weissmann, H.A. Ghofrani, F. Grimminger, E. **Mayer**, and W. Seeger, *Long-term treatment with sildenafil in chronic thromboembolic pulmonary hypertension*. Eur Respir J, 2007. **30**(5): p. 922-7.
108. Kreitner, K.F., R.P. Kunz, S. Ley, K. Oberholzer, D. Neeb, K.K. Gast, C.P. Heussel, B. Eberle, E. **Mayer**, H.U. Kauczor, and C. Duber, *Chronic thromboembolic pulmonary hypertension - assessment by magnetic resonance imaging*. Eur Radiol, 2007. **17**(1): p. 11-21.
109. Dorweiler, B., D. **Pruefer**, T.B. Andras, S.M. Maksan, W. Schmiedt, A. Neufang, and C.F. Vahl, *Ischemia-Reperfusion Injury : Pathophysiology and Clinical Implications*. Eur J Trauma Emerg Surg, 2007. **33**(6): p. 600-12.
110. Buerke, M., D. **Pruefer**, D. Sankat, J.M. Carter, U. Buerke, M. Russ, A. Schlitt, I. Friedrich, J. Borgermann, C.F. Vahl, and K. Werdan, *Effects of aprotinin on gene expression and protein synthesis after ischemia and reperfusion in rats*. Circulation, 2007. **116**(11 Suppl): p. I121-6.
111. Schlitt, A., D. **Pruefer**, U. Buerke, M. Russ, M. Dahm, H. Oelert, K. Werdan, and M. Buerke, *Neutrophil adherence to activated saphenous vein and mammary endothelium after graft preparation*. Ann Thorac Surg, 2006. **81**(4): p. 1262-8.
112. Pitton, M.B., G. Kemmerich, S. Herber, E. **Mayer**, M. Thelen, and C. Duber, *Hemodynamic effects of monomeric nonionic contrast media in pulmonary angiography in chronic thromboembolic pulmonary hypertension*. AJR Am J Roentgenol, 2006. **187**(1): p. 128-34.
113. **Mayer**, E. and W. Klepetko, *Techniques and outcomes of pulmonary endarterectomy for chronic thromboembolic pulmonary hypertension*. Proc Am Thorac Soc, 2006. **3**(7): p. 589-93.
114. **Mayer**, E., *Surgical treatment of chronic thromboembolic pulmonary hypertension*. Swiss Med Wkly, 2006. **136**(31-32): p. 491-7.
115. Lindner, J., P. Jansa, J. Kunstyr, E. **Mayer**, J. Blaha, T. Palecek, M. Aschermann, T. Grus, D. Ambroz, J. Tosovsky, and I. Vitkova, *Implementation of a new programme for the surgical treatment of CTEPH in the Czech Republic--Pulmonary endarterectomy*. Thorac Cardiovasc Surg, 2006. **54**(8): p. 528-31.

116. Hooper, M.M., E. **Mayer**, G. Simonneau, and L.J. Rubin, *Chronic thromboembolic pulmonary hypertension*. Circulation, 2006. **113**(16): p. 2011-20.
117. Kuroczynski, W., U. Hake, D. **Pruefer**, A. Peivandi, M. Heinemann, and H. Oelert, *Aortic valve papillary fibroelastoma*. J Heart Valve Dis, 2005. **14**(1): p. 140-2.
118. Kramm, T., B. Eberle, S. **Guth**, and E. **Mayer**, *Inhaled iloprost to control residual pulmonary hypertension following pulmonary endarterectomy*. Eur J Cardiothorac Surg, 2005. **28**(6): p. 882-8.
119. Hooper, M.M., T. Kramm, H. Wilkens, C. Schulze, H.J. Schafers, T. Welte, and E. **Mayer**, *Bosentan therapy for inoperable chronic thromboembolic pulmonary hypertension*. Chest, 2005. **128**(4): p. 2363-7.
120. Kreitner, K.F., S. Ley, H.U. Kauczor, E. **Mayer**, T. Kramm, M.B. Pitton, F. Krummenauer, and M. Thelen, *Chronic thromboembolic pulmonary hypertension: pre- and postoperative assessment with breath-hold MR imaging techniques*. Radiology, 2004. **232**(2): p. 535-43.
121. Klepetko, W., E. **Mayer**, J. Sandoval, E.P. Trulock, J.L. Vachiery, P. Darteville, J. Pepke-Zaba, S.W. Jamieson, I. Lang, and P. Corris, *Interventional and surgical modalities of treatment for pulmonary arterial hypertension*. J Am Coll Cardiol, 2004. **43**(12 Suppl S): p. 73S-80S.
122. **Pruefer**, D., J. Makowski, M. Dahm, S. **Guth**, H. Oelert, H. Darius, and M. Buerke, *Aprotinin inhibits leukocyte-endothelial cell interactions after hemorrhage and reperfusion*. Ann Thorac Surg, 2003. **75**(1): p. 210-5; discussion 215-6.
123. Pitton, M.B., S. Herber, E. **Mayer**, and M. Thelen, *Pulmonary balloon angioplasty of chronic thromboembolic pulmonary hypertension (CTEPH) in surgically inaccessible cases*. Rofo, 2003. **175**(5): p. 631-4.
124. Ley, S., T. Kramm, H.U. Kauczor, E. **Mayer**, C.P. Heussel, M. Thelen, and K.F. Kreitner, *[Pre- and postoperative assessment of hemodynamics in patients with chronic thromboembolic pulmonary hypertension by MR techniques]*. Rofo, 2003. **175**(12): p. 1647-54.
125. Ley, S., H.U. Kauczor, C.P. Heussel, T. Kramm, E. **Mayer**, M. Thelen, and K.F. Kreitner, *Value of contrast-enhanced MR angiography and helical CT angiography in chronic thromboembolic pulmonary hypertension*. Eur Radiol, 2003. **13**(10): p. 2365-71.
126. Kuroczynski, W., C. Kampmann, Y.H. Choi, D. **Pruefer**, J. Singelmann, R. Huth, F.X. Schmid, M. Heinemann, and H. Oelert, *The Fontan-operation: from intra- to extracardiac procedure*. Cardiovasc Surg, 2003. **11**(1): p. 70-4.
127. Kramm, T., B. Eberle, F. Krummenauer, S. **Guth**, H. Oelert, and E. **Mayer**, *Inhaled iloprost in patients with chronic thromboembolic pulmonary hypertension: effects before and after pulmonary thromboendarterectomy*. Ann Thorac Surg, 2003. **76**(3): p. 711-8.
128. **Pruefer**, D., J. Makowski, M. Schnell, U. Buerke, M. Dahm, H. Oelert, U. Sibelius, U. Grandel, F. Grimminger, W. Seeger, J. Meyer, H. Darius, and M. Buerke, *Simvastatin inhibits inflammatory properties of Staphylococcus aureus alpha-toxin*. Circulation, 2002. **106**(16): p. 2104-10.
129. **Pruefer**, D., U. Buerke, M. Khalil, M. Dahm, H. Darius, H. Oelert, and M. Buerke, *Cardioprotective effects of the serine protease inhibitor aprotinin after regional ischemia and reperfusion on the beating heart*. J Thorac Cardiovasc Surg, 2002. **124**(5): p. 942-9.
130. Pitton, M.B., G. Kemmerich, S. Herber, F. Schweden, E. **Mayer**, and M. Thelen, *[Chronic thromboembolic pulmonary hypertension: diagnostic impact of Multislice-CT and selective Pulmonary-DSA]*. Rofo, 2002. **174**(4): p. 474-9.
131. Menzel, T., T. Kramm, S. Wagner, S. Mohr-Kahaly, E. **Mayer**, and J. Meyer, *Improvement of tricuspid regurgitation after pulmonary thromboendarterectomy*. Ann Thorac Surg, 2002. **73**(3): p. 756-61.
132. Menzel, T., T. Kramm, S. Mohr-Kahaly, E. **Mayer**, H. Oelert, and J. Meyer, *Assessment of cardiac performance using Tei indices in patients undergoing pulmonary thromboendarterectomy*. Ann Thorac Surg, 2002. **73**(3): p. 762-6.

133. Menzel, T., T. Kramm, A. Bruckner, S. Mohr-Kahaly, E. **Mayer**, and J. Meyer, *Quantitative assessment of right ventricular volumes in severe chronic thromboembolic pulmonary hypertension using transthoracic three-dimensional echocardiography: changes due to pulmonary thromboendarterectomy*. Eur J Echocardiogr, 2002. **3**(1): p. 67-72.
134. Pruefer, D., P. Kalden, W. Schreiber, M. Dahm, M. Buerke, M. Thelen, and H. Oelert, *In vitro investigation of prosthetic heart valves in magnetic resonance imaging: evaluation of potential hazards*. J Heart Valve Dis, 2001. **10**(3): p. 410-4.
135. Scalia, R., D. **Pruefer**, and A.M. Lefer, *A novel lysophosphatidic acid analog, LXR-1035, inhibits leukocyte-endothelium interaction via inhibition of cell adhesion molecules*. J Leukoc Biol, 2000. **67**(1): p. 26-33.
136. Menzel, T., S. Wagner, T. Kramm, S. Mohr-Kahaly, E. **Mayer**, S. Braeuninger, and J. Meyer, *Pathophysiology of impaired right and left ventricular function in chronic embolic pulmonary hypertension: changes after pulmonary thromboendarterectomy*. Chest, 2000. **118**(4): p. 897-903.
137. Kreitner, K.F., S. Ley, H.U. Kauczor, P. Kalden, M.B. Pitton, E. **Mayer**, G. Laub, and M. Thelen, *[Contrast media enhanced three dimensional MR angiography of the pulmonary arteries in patients with chronic recurrent pulmonary embolism--comparison with selective intra-arterial DSA]*. Rofo, 2000. **172**(2): p. 122-8.
138. **Pruefer**, D., R. Scalia, and A.M. Lefer, *Simvastatin inhibits leukocyte-endothelial cell interactions and protects against inflammatory processes in normocholesterolemic rats*. Arterioscler Thromb Vasc Biol, 1999. **19**(12): p. 2894-900.
139. **Pruefer**, D., R. Scalia, and A.M. Lefer, *Homocysteine provokes leukocyte-endothelium interaction by downregulation of nitric oxide*. Gen Pharmacol, 1999. **33**(6): p. 487-98.
140. Kreitner, K.F., E. **Mayer**, T. Voigtländer, M. Thelen, and H. Oelert, *khree-dimensional contrast-enhanced magnetic resonance angiography in a patient with chronic thromboembolic pulmonary hypertension before and after thromboendarterectomy*. Circulation, 1999. **99**(8): p. 1101.
141. Kramm, T., E. **Mayer**, M. Dahm, S. **Guth**, T. Menzel, M. Pitton, and H. Oelert, *Long-term results after thromboendarterectomy for chronic pulmonary embolism*. Eur J Cardiothorac Surg, 1999. **15**(5): p. 579-83; discussion 583-4.
142. Pitton, M.B., C. Duber, E. **Mayer**, and M. Thelen, *[Effect of oxygen inhalation on hemodynamics in chronic thromboembolic pulmonary hypertension]*. Rofo, 1998. **168**(1): p. 64-7.
143. Pitton, M.B., C. Duber, E. **Mayer**, and M. Thelen, *[Chronic thromboembolic pulmonary hypertension: hemodynamic effects of selective pulmonary artery DSA with nonionic contrast media]*. Rofo, 1998. **168**(6): p. 589-94.
144. Menzel, T., S. Wagner, S. Mohr-Kahaly, E. **Mayer**, T. Kramm, T.A. Fischer, S. Brauninger, R. Meinert, H. Oelert, and J. Meyer, *[Reversibility of changes in left and right ventricular geometry and hemodynamics in pulmonary hypertension. Echocardiographic characteristics before and after pulmonary thromboendarterectomy]*. Z Kardiol, 1997. **86**(11): p. 928-35.
145. **Mayer**, E., T. Kramm, M. Dahm, W. Moersig, B. Eberle, C. Duber, T. Menzel, and H. Oelert, *[Early results of pulmonary thromboendarterectomy in chronic thromboembolic pulmonary hypertension]*. Z Kardiol, 1997. **86**(11): p. 920-7.
146. Pitton, M.B., C. Duber, E. **Mayer**, and M. Thelen, *Hemodynamic effects of nonionic contrast bolus injection and oxygen inhalation during pulmonary angiography in patients with chronic major-vessel thromboembolic pulmonary hypertension*. Circulation, 1996. **94**(10): p. 2485-91.
147. **Mayer**, E., M. Dahm, U. Hake, F.X. Schmid, M. Pitton, I. Kupferwasser, S. Iversen, and H. Oelert, *Mid-term results of pulmonary thromboendarterectomy for chronic thromboembolic pulmonary hypertension*. Ann Thorac Surg, 1996. **61**(6): p. 1788-92.
148. **Mayer**, E., M. Dahm, U. Hake, F.X. Schmid, C. Duber, I. Kupferwasser, S. Iversen, and H. Oelert, *[Thromboendarterectomy in chronic thromboembolic pulmonary hypertension]*.

- Hemodynamics and right-heart function over the long term]. Dtsch Med Wochenschr, 1996. 121(1-2): p. 9-15.*
149. Kauczor, H.U., H.C. Schwickert, E. **Mayer**, F. Schweden, H.H. Schild, and M. Thelen, *Spiral CT of bronchial arteries in chronic thromboembolism*. J Comput Assist Tomogr, 1994. **18**(6): p. 855-61.