

## Publications

- 181 Gutmann D, Scheuch G, Lehmkuehler T, Herrlich LS, Landeis A, Hutter M, Stephan C, Vehreschild M, Khodamoradi Y, Gossmann AK, King F, Weis F, Weiss M, Rabenau HF, Graf J, Donath H, Schubert R, Zielen S. Aerosol measurement identifies SARS-CoV 2 PCR positive adults compared with healthy controls. *Environ Res.* 2022 Sep 24;216
- 180 Held A, Dellweg D, KOehler D, Pfaender S, Scheuch G, Schumacher S, Steinmann E, Weingartner E, Weinzierl B, Asbach C. Interdisziplinäre Perspektiven zur Bedeutung der Aerosolübertragung fuer das Infektionsgeschehen von SARS-CoV-2 [Interdisciplinary Perspectives on the Role of Aerosol Transmission in SARS-CoV-2 Infections]. *Gesundheitswesen.* 2022 Jul;84(7):566-574
- 179 George CE, Scheuch G, Seifart U, Inbaraj LR, Chandrasingh S, Nair IK, Hickey AJ, Barer MR, Fletcher E, Field RD, Salzman J, Moelis N, Ausiello D, Edwards DA. COVID-19 symptoms are reduced by targeted hydration of the nose, larynx and trachea. *Sci Rep.* 2022 Mar 29;12(1):4599
- 178 Haeussermann S, Sommerer K, Scheuch G. Regional Lung Deposition: In Vivo Data. *J Aerosol Med Pulm Drug Deliv.* 2020 Dec;33(6):291-299
- 177 Scheuch G. Breathing Is Enough: For the Spread of Influenza Virus and SARS-CoV-2 by Breathing Only. *J Aerosol Med Pulm Drug Deliv.* 2020 Aug;33(4):230-234.
- 176 Scheuch G, Canisius S, Nocker K, Hofmann T, Naumann R, Pleschka S, Ludwig S, Welte T, Planz O. Targeting intracellular signaling as an antiviral strategy: aerosolized LASAG for the treatment of influenza in hospitalized patients. *Emerg Microbes Infect.* 2018 Mar 7;7(1):21
- 175 Droebner K, Haasbach E, Dudek SE, Scheuch G, Nocker K, Canisius S, Ehrhardt C, von Degenfeld G, Ludwig S, Planz O. Pharmacodynamics, Pharmacokinetics, and Antiviral Activity of BAY 81-8781, a Novel NF- $\kappa$ B Inhibiting Anti-influenza Drug. *Front Microbiol.* 2017 Nov 2; 8:2130
- 174 Roche N, Scheuch G, Pritchard JN, Nopitsch-Mai C, Lakhani DA, Saluja B, Jamieson J, Dundon A, Wallace R, Holmes S, Cipolla D, Dolovich MB, Shah SA, Lyapustina S. Patient Focus and Regulatory Considerations for Inhalation Device Design: Report from the 2015 IPAC-RS/ISAM Workshop. *J Aerosol Med Pulm Drug Deliv.* 2017 Feb;30(1):1-13
- 173 Griese M, Scheuch G. Delivery of Alpha-1 Antitrypsin to Airways. *Ann Am Thorac Soc.* 2016 Aug;13 Suppl 4:S346-51
- 172 Vogelmeier C, Kardos P, Hofmann T, Canisius S, Scheuch G, Muellinger B, Nocker K, Menz G, Rabe KF. Nebulised budesonide using a novel device in patients with oral steroid-dependent asthma *Eur Respir J.* 2015 May;45(5):1273-82
- 171 Siekmeier R, Hofmann T, Scheuch G, Pokorski M. Aerosolized GLP-1 for treatment of diabetes mellitus and irritable bowel syndrome *Adv Exp Med Biol.* 2015; 849:23-38
- 170 Siekmeier R, Hofmann T, Scheuch G. Inhalation of macrolides: a novel approach to treatment of pulmonary infections *Adv Exp Med Biol.* 2015;839:13-24
- 169 Apiou-Sbirlea G, Newman S, Fleming J, Siekmeier R, Ehrmann S, Scheuch G, Hochhaus G, Hickey A. Bioequivalence of inhaled drugs: fundamentals, challenges and perspectives. *Therapeutic Delivery* 2013 4(3): 343-367
- 168 The Inhaler Error Steering Committee, Price D, Bosnic-Anticevich S, Briggs A, Chrystyn H, Rand C, Scheuch G, Bousquet J. Inhaler competence in asthma: Common errors, barriers to use and recommended solutions. *Respir Med.* 2013 Jan;107(1):37-46

- 167 Conway JH, Fleming JS, Majoral C, Katz I, Perchet D, Peebles C, Tossici-Bolt L, Collier L, Caillibotte G, Pichelin M, Sauret-Jackson V, Martonen T, Apiou-Sbirlea G, Muellinger B, Kroneberg P, Gleske J, Scheuch G, Texereau J, Martin A, Montesantos S, Bennett M. Controlled, parametric, individualized, 2-D and 3-D imaging measurements of aerosol deposition in the respiratory tract of healthy human subjects for model validation. *Journal of Aerosol Science*, 2012 52:1-17
- 166 Muellinger B, Gleske J, Ullmann M, Juenemann R, Ferkl M, Scheuch G. Evaluation of Regional Deposition for MDI and DPI with a Computer Based Device Selection and Training System. *Respiratory Drug Delivery* 2012, Vol 2: 387-392
- 165 Meyer T, Reitmeir P, Brand P, Herpich C, Sommerer K, Schulze A, Scheuch G, Newman S. Effects of formoterol and tiotropium bromide on mucus clearance in patients with COPD. *Respir Med*. 2011 Jun;105(6):900-906
- 164 Scheuch G, Bennett W, BorgstrOem L, Clark A, Dalby R, Dolovich M, Fleming J, Gehr P, Gonda I, O'Callaghan C, Taylor G, Newman S. Deposition, imaging, and clearance: what remains to be done? *J Aerosol Med Pulm Drug Deliv*. 2010 Dec; 23 Suppl 2: S39-57
- 163 Bennett WD, Daviskas E, Hasani A, Mortensen J, Fleming J, Scheuch G. Mucociliary and cough clearance as a biomarker for therapeutic development. *J Aerosol Med Pulm Drug Deliv*. 2010 Oct;23(5):261-272.
- 162 Siekmeier R, Scheuch G. Treatment of systemic diseases by inhalation of biomolecule aerosols. *J Physiol Pharmacol*. 2009 Nov;60 Suppl 5:15-26
- 161 Muellinger B, Topini TC, Valeri AL, Gleske J, Kroneberg P, Hartmann M, Scheuch G. Choice of Nebulizers for Inhaled Tobramycin Treatment in Cystic Fibrosis. *Respir Drug Delivery*, 2010, 385-390.
- 160 Guenther A, Markart P, Ruppert C, Seeger W, Scheuch G. Inhaled Heparin in IPF Patients: Safety and Tolerability Study. *Respir Drug Delivery*, 2010, 391-394.
- 159 MOeller W, Meyer G, Scheuch G, Kreyling WG, and Bennett WD. Left-to-Right Asymmetry of Aerosol Deposition after Shallow Bolus Inhalation Depends on Lung Ventilation. *J Aerosol Med Pulm Drug Del*. 2009, 23, 333-339
- 158 Markart P, Nass R, Ruppert C, Hundack L, Wygrecka M, Korfei M, Boedeker RH, Staehler G, Kroll H, Scheuch G, Seeger W, Guenther A. Safety and Tolerability of Inhaled Heparin in Idiopathic Pulmonary Fibrosis. *J Aerosol Med Pulm Drug Del*. 2010, 23, 1-12.
- 157 Fischer A, Stegemann, J, Scheuch G, Siekmeier R. Novel devices for Individualized Controlled Inhalation can Optimize Aerosol Therapy in Efficacy, Patient Care and Power of Clinical Trials, *Eur J Med Res*. 2009, 14(Suppl IV), 71-77.
- 156 Siekmeier R and Scheuch G. Inhaled Insulin – Does it become reality? *J Physiol Pharmacol*. 2008, 59, Suppl 6, 81 – 113.
- 155 Siekmeier R and Scheuch G. Systemic Treatment by Inhalation of Macromolecules – Principles, Problems, and Examples. *J Physiol Pharmacol*. 2008 59, Suppl 6, 53 -79.
- 154 Scheuch G, Kohlhaeufel M, MOeller W, Brand P, Meyer T, Haeussinger K, Sommerer K, Heyder J. Particle clearance from the airways of subjects with bronchial hyperresponsiveness and with chronic obstructive pulmonary disease. *Exp Lung Res*. 2008 Nov;34(9):531-49.
- 153 Haidl P, Scheuch G. [Perspectives in the inhalative administration of drugs] *Pneumologie*. 2008 Jun;62(6):330-6. Review. German.
- 152 Diot P, Scheuch G, Laube B, Smaldone G. Aerosol science, medicine, the Journal, and ISAM in the 21st century. *J Aerosol Med Pulm Drug Deliv*. 2008 Jun;21(2):157-158.

- 151 Scheuch G, Fischer A, Muellinger B, Zimlich, W. Low Variability Lung Delivery of Drugs: Novel Delivery Technology and Compliance Studies with Low Molecular Weight Heparin and Antibiotics. *Respir Drug Delivery*, 2008, 57 – 64.
- 150 Heinemann L, Scheuch G, Heise T. Inhaled insulin: take a deep breath, but how? *J Diabetes Sci Technol*. 2008 Mar;2(2):297-9.
- 149 Muellinger B, Wenker A, Barth W, Scheuch G. Aerosolized Decoy Oligonucleotide Target Transcription Factor for Asthma Therapy. *Respir Drug Delivery*, 2008, 341-344
- 148 Moeller W, Felten K, Sommerer K, Scheuch G, Meyer G, Meyer P, Haeussinger K, Kreyling WG. Deposition, Retention and Translocation of Ultrafine Particles from the Airways and Lung Periphery. *Am J Respir Crit Care Med*. 2008, 177: 426-432
- 147 Dopfer R, Brand P, Muellinger B, Hunger T, Haeussermann S, Meyer T, Scheuch G, Siekmeier, R. Inhalation of Tobramycin in patients with Cystic Fibrosis: Comparison of two methods. *J Physiol Pharmacol*. 2007, 58, S5, 141 – 154
- 146 Dopfer R, Brand P, Muellinger B, Hunger T, Haeussermann S, Meyer T, Scheuch G, Siekmeier R. Vergleich konventioneller und kontrollierter Inhalation von Tobramycin bei Patienten mit zystischer Fibrose. *Atemw.-Lungenkrkh*. 2007, 33, 324-333.
- 145 Scheuch G, Siekmeier R. Novel approaches to enhance pulmonary delivery of proteins and peptides. *J Physiol Pharmacol*. 2007, 58, S5, 615 – 625
- 144 Scheuch G, Brand P, Meyer T, Herpich C, Muellinger B, Brom J, Weidinger G, Kohlhaeufel M, Haeussinger K, Spannagl M, Schramm W, Siekmeier R. Anticoagulative effects of the inhaled low molecular weight heparin Certoparin in healthy subjects. *J Physiol Pharmacol*. 2007, 58, S5, 603 – 614
- 143 Brand P, Meyer T, Weuthen T, Timmer W, Berkel E, Wallenstein G, Scheuch G. Lung deposition of radiolabeled tiotropium in healthy subjects and patients with chronic obstructive pulmonary disease. *J Clin Pharmacol*. 2007; 47(10):1335-41
- 142 Scheuch G, Zimlich WC, Siekmeier R. Biophysical Parameters Determining Pulmonary Drug Delivery. In: *Pulmonary Drug Delivery* ed: Bechtold-Peters K, Luessen H. Editor Cantor 2007, 46 – 54.
- 141 Kohlhaeufel M, Scheuch G. Systemic Aerosol Therapy: The Clinician's Perspective/ Insulin – Heparin- Estradiol . In: *Pulmonary Drug Delivery* ed: Bechtold-Peters K, Luessen H. Editor Cantor, 2007, 102- 122.
- 140 Scheuch G, Zimlich WZ, Siekmeier R. Pulmonary Drug Targeting with modern Inhalation Devices. In: *Pulmonary Drug Delivery* ed: Bechtold-Peters K, Luessen H. Editor Cantor, 2007, 154 - 159.
- 139 Muellinger B, Sommerer K, Pechold O, Scheuch G. Characterization of two inhalation devices for antibiotic therapy with Colistin. *Respir Drug Delivery X*, 2006, 381-384
- 138 Scheuch G, Kolb T, Sommerer K, Roeder S. In vitro evaluation of the novel spacer device WATCHHALERTM and modeling of probable deposition in children. *Respir Drug Delivery X*, 2006, 385-388
- 137 Haeussermann S, Brand P, Herpich C, Brom J, Weidinger G, Scheuch G, Meyer Th. The inhalation of low molecular weight Heparin for systemic anti-coagulative action. *Respir Drug Delivery X*, 2006, 633-636
- 136 Scheuch G, Kohlhaeufel MJ, Brand P, Siekmeier R. Clinical perspectives on pulmonary systemic and macromolecular delivery. *Adv Drug Deliv Rev*. 2006; 58(9-10):996-1008. Epub 2006 Aug 12. Review.

- 135 Scheuch, G Muellinger, B, Spannagl, M, Brand,P, Herpich, C, Meyer, T, Siekmeier, R Kohlhaeufl, M und Schramm, W. Antikoagulation durch kontrollierte Inhalation von Certoparin. *Atemw.-Lungenkrkh.* 2006; 31(7) 420- 430
- 134 Moeller W, Haeussinger K, Kreyling WG, Scheuch G. Partikelclearance aus dem menschlichen Atemtrakt. *Atemw.-Lungenkrkh.* 2006, 31, 342–351
- 133 Brand, P and Scheuch G. Physikalische Grundlagen der Aerosolmedizin. *Atemw.-Lungenkrkh.*, 2006, 31(7) 336–341
- 132 Siekmeier, R und Scheuch G. Systemische Therapie mit Aerosolen: Allgemeine Grundlagen zur pulmonalen Verabreichung von Makromolekuelen zur systemischen Therapie *Atemw.-Lungenkrkh.*, 2006, 31(7) 374–386
- 131 Siekmeier, R und Scheuch G. Systemische Therapie mit Aerosolen: Beispiele zur pulmonalen Verabreichung von Makromolekuelen zur systemischen Therapie. *Atemw.-Lungenkrkh.* 2006, 31(8) 391–410
- 130 Wenzel C, Brand P, Herpich C, Haeussermann S, Meyer T, Muellinger B, Scheuch G, Haeussinger K. [Comparison of unspecific bronchial provocation during controlled and spontaneous inhalation] *Pneumologie.* 2006, 60(8):467-471.
- 129 Brand P, Meyer T, Haeussermann S, Schulte M, Scheuch G, Bernhard T, Sommerauer B, Weber N, Griese M. Optimum peripheral drug deposition in patients with cystic fibrosis. *J Aerosol Med.* 2005,18(1): 45-54.
- 128 Scheuch G. Scintigraphic lung deposition measurements: Variables to control. VOSHAAR, T and SCHEUCH, G. (Eds.) in *Aerosole in der Inhalationstherapie IX*, (Dustri Verlag Dr. Karl Feistle, Muenchen-Deisenhofen), 2005, 78-84.
- 127 Scheuch G, Muellinger B, Brand P, Herpich C, Brom J, Weidinger JG, Meyer T, Siekmeier R, Kohlhaeufl M, Schramm W. Antikoagulation durch inhalative Verabreichung von niedermolekularem Heparin (Certoparin) bei gesunden Individuen. VOSHAAR T and SCHEUCH, G. (Eds.) in *Aerosole in der Inhalationstherapie IX*, (Dustri Verlag Dr. Karl Feistle, Muenchen-Deisenhofen), 2005, 60-77.
- 126 Praml G, Scharrer E, de la Motte D, Nowak D, Scheuch G, Sommerer K, Radon K. The physical and biological doses of methacholine are different for Mefar MB3 and Jaeger APS sidestream nebulizers. *Chest.* 2005, 128(5):3585-3589.
- 125 Voshaar TH, Heyder J, KOehler D, Krug N, Nowak D, Scheuch G, Schulz H, Witt C. [Effects of particulate air pollution on human health. Statement of the German Society of Pneumology on the discussion about fine particulate air pollution] *Pneumologie.* 2005, 59(7):470-6. German
- 124 Edwards DA, Man JC, Brand P, Katstra JP, Sommerer K, Stone HA, Nardell E, Scheuch G. Inhaling to mitigate exhaled bioaerosols. *Proc Natl Acad Sci USA.* 2004, 101(50): 17383-17388
- 123 Kohlhaeufl M, Scheuch G, Haussinger K. Inhaled antibiotic therapy in bronchiectasis? *Pneumologie.* 2004, 58(7): 499-504.
- 122 Meyer T, Brand P, Ehlich H, Kobrich R, Meyer G, Riedinger F, Sommerer K, Weuthen T, Scheuch G. Deposition of Foradil P in human lungs: comparison of in vitro and in vivo data. *J Aerosol Med.* 2004, 17(1): 43-9.
- 121 Scheuch G, Muellinger B, Brand P, Sommerer K, Haeussermann S, Roeder S, Weber N, Siekmeier R, Haeussinger K, Griese M and Meyer T. Deposition inhalierter Fe<sub>3</sub>O<sub>4</sub> Partikel bei Patienten mit zystischer Fibrose. SCHEUCH, G. (Ed.) in *Aerosole in der Inhalationstherapie VIII*, (Dustri Verlag Dr. Karl Feistle, Muenchen-Deisenhofen), 2004, 98-108.

- 120 Meyer T, Sommerer K, Brand P, Muellinger B, Weber N, Siekmeier R, Scheuch G. Optimierung der peripheren Lungendeposition von therapeutischen Aerosolen bei Patienten mit Lungenemphysem. SCHEUCH, G. (Ed.) in *Aerosole in der Inhalationstherapie VIII*, (Dustri Verlag Dr. Karl Feistle, Muenchen-Deisenhofen), 2004, 109-119.
- 119 Griese M, Ramakers J, Krasselt A, Starosta V, Van Koningsbruggen S, Fischer R, Ratjen F, Muellinger B, Huber RM, Maier K, Rietschel E, Scheuch G. Improvement of alveolar glutathione and lung function but not oxidative state in cystic fibrosis. *Am J Respir Crit Care Med*. 2004, 169(7): 822-8. Epub 2004 Jan 15.
- 118 Scheuch G, Muellinger B, Brand P, Sommerer K, Haeussermann S, Roeder S, Siekmeier R, Griese M, Meyer, T. Inhaled drug delivery in Cystic Fibrosis is improved by controlled breathing pattern. *Respir Drug Del. IX 2004*: 509- 511.
- 117 Scheuch G, Sommerer K, Meyer T, Fischer A, Haeussermann S, Brand P. Lung deposition studies: the challenge of interpretation *Respir Drug Del. IX 2004*, 513 – 516.
- 116 T. Meyer, P. Brand, H. Beckmann, M. Maas-Enriquez, B. Muellinger, S. Haeussermann, K. Haeussinger, R. Siekmeier, K. Sommerer, N. Weber and G. Scheuch. Pulmonary deposition of monodisperse aerosols in patients with chronic obstructive pulmonary disease. *Exp Lung Res*. 2003, 29(7): 475-484
- 115 Kohlhaeufel M, Weber N, Scheuch G, Herpich C, Roeder S, Meyer T, Cloes R, Trammer T, Haeussinger K. Vergleich inspiratorischer Flussprofile bei Inhalation mit Autohaler, Diskus und Turbohaler und korrespondierender in vitro Messungen und Partikelspektren bei schwerer COPD. SCHEUCH, G. (Ed.) in *Aerosole in der Inhalationstherapie VII*, (Dustri Verlag Dr. Karl Feistle, Muenchen-Deisenhofen), 2003, 120-122
- 114 Brand P, Beckmann H, Maas Enriquez M, Meyer T, Mullinger B, Sommerer K, Weber N, Weuthen T, Scheuch G. Peripheral deposition of alpha1-protease inhibitor using commercial inhalation devices. *Eur Respir J*. 2003, 22(2): 263- 267.
- 113 Scheuch G, Beckmann H, Brand P, Maas-Enriquez M, Meyer T, Muellinger B, Haeußermann S, Haeussinger K, Heyder J, Siekmeier R, Sommerer K and Weber N: Untersuchung des Depositionsverhaltens monodisperser Modellaerosole bei Patienten mit hereditaerem a1-Antitrypsinmangel und Lungenemphysem. *Atemw Lungenkrkh*, 2003, 29, 317-323
- 112 Scheuch G, Muellinger B, Brand P, Sommerer K, Haeussermann S, Roeder S, Weber N, Siekmeier R, Haeussinger K, Griese M and Meyer T. Deposition inhaliertes Fe<sub>3</sub>O<sub>4</sub>-Partikel bei Patienten mit zystischer Fibrose. *Atemw Lungenkrkh*, 2003, 29, 324-330.
- 111 Brand P, Letzel S, Buchta M, Scheuch G, Windorfer K, Hilla W, Smith HJ, Kraus T. Can aerosol-derived airway morphometry detect early, asymptomatic lung emphysema? *J Aerosol Med*. 2003, 16(2): 143-151.
- 110 Kamin WE, Genz T, Roeder S, Scheuch G, Cloes R, Juenemann R, Trammer T. The inhalation manager: a new computer-based device to assess inhalation technique and drug delivery to the patient. *J Aerosol Med*. 2003, 16(1): 21-29.
- 109 Meyer T, Brand P, Herpich C, Scheuch G, Weber N. [Controlled inhalation of beta2-sympaticomimetica after bronchial provocation] *Pneumologie*. 2003, 57(11): 644-647. German.
- 108 Brand P, Maas-Enriquez M, Meyer T, Scheuch G, Weber N. Difficulties in controlled inhalation of alpha 1-protease inhibitor. *Pneumologie*. 2003; 57(3):153-158.
- 107 Sturm R, Hofmann W, Scheuch G, Sommerer K, Camner P and Svartengren M. Particle Clearance in Human Bronchial Airways: Comparison of Stochastic Model Predictions with Experimental Data. *Ann. occup. Hyg*. 2002; 46 (Suppl 1) 329-333.

- 106 Weuthen T, Roeder S, Brand P, Muellinger B, Scheuch G. In vitro testing of two formoterol dry powder inhalers at different flow rates. *J Aerosol Med.* 2002, 15(3): 297-303.
- 105 Scheuch G, Brand P, Meyer T, Muellinger B, Sommerer K. Regional Drug Targeting within the lungs by controlled inhalation with the AKITA – inhalation system. *Respir Drug Delivery VIII 2002:* 471 – 473
- 104 Scheuch G., B. Muellinger, P. Brand, K. Sommerer, T. Weuthen, S. Haeussermann, S. Roeder, N. Weber, R. Siekmeier, K. Haeussinger, M. Griese, T. Meyer: Optimizing aerosol lung deposition in cystic fibrosis patients. In: Romano L., G. Manno, L.J.V. Galiotta: *Proceedings of the 25th European Cystic Fibrosis Conference.* Bologna, Monduzzi Editore, 169-172 (2002).
- 103 Weuthen T, Herpich C and Scheuch G. In-vitro-Studie zur Partikelgrößenmessung des Budecort 200 Novolizer bei verschiedenen Flüssen. SCHEUCH, G. (Ed.) in *Aerosole in der Inhalationstherapie VI*, (Dustri Verlag Dr. Karl Feistle, Muenchen-Deisenhofen), 2002, 109-114
- 102 Stern C, Kamin W, Cloes R, Trammer T, Roeder S and Scheuch G. Der Inhalations-Manager – eine neue Möglichkeit, das asthmatische Kind besser medikamentös einzustellen? SCHEUCH, G. (Ed.) in *Aerosole in der Inhalationstherapie VI*, (Dustri Verlag Dr. Karl Feistle, Muenchen-Deisenhofen), 2002, 115-120
- 101 Kohlhaeufel M, Brand P, Scheuch G, Haeussinger K and Heyder J. Perspektiven der systemischen Aerosoltherapie. SCHEUCH, G. (Ed.) in *Aerosole in der Inhalationstherapie VI*, (Dustri Verlag Dr. Karl Feistle, Muenchen-Deisenhofen), 2002, 1-12
- 100 Sommerer K, Meyer T, Brand P, Muellinger B, Pohner A, Weber N, Beckmann H, Maas-Enriquez M, Scheuch G, A strategy to optimize peripheral lung deposition in patients with emphysema. *Respir Drug Delivery VIII 2002:* 475 -478
- 099 Dunbar C, Scheuch G, Sommerer K, DeLong M, Verma A, Batycky R. In vitro and in vivo dose delivery characteristics of large porous particles for inhalation. *Int J Pharm.* 2002, 245(1-2): 179-189.
- 098 Bennett WD, Brown JS, Zeman KL, Hu SC, Scheuch G, Sommerer K. Targeting delivery of aerosols to different lung regions. *J Aerosol Med.* 2002, 15(2): 179-88.
- 097 Kamin WE, Genz T, Roeder S, Scheuch G, Trammer T, Juenemann R, Cloes RM. Mass output and particle size distribution of glucocorticosteroids emitted from different inhalation devices depending on various inspiratory parameters. *J Aerosol Med.* 2002, 15(1): 65-73.
- 096 Kohlhaufel M, Haussinger K, Stanzel F, Markus A, Tritschler J, Muhlhofer A, Morresi-Hauf A, Golly I, Scheuch G, Jany BH, Biesalski HK. Inhalation of aerosolized vitamin A: reversibility of metaplasia and dysplasia of human respiratory epithelia -- a prospective pilot study. *Eur J Med Res.* 2002, 7(2): 72-78.
- 095 Brand P, Meyer T, Sommerer K, Weber N, Scheuch G. Alveolar deposition of monodisperse aerosol particles in the lung of patients with chronic obstructive pulmonary disease. *Exp Lung Res.* 2002, 28(1): 39-54
- 094 Voshaar T, App EM, Berdel D, Buhl R, Fischer J, Gessler T, Haidl P, Heyder J, Kohler D, Kohlhaufel M, Lehr CM, Lindemann H, Matthys H, Meyer T, Olschewski H, Paul KD, Rabe K, Raschke F, Scheuch G, Schmehl T, Schultze-Werninghaus G, Ukena D, Worth H; Arbeitsgruppe Aerosolmedizin der Deutschen Gesellschaft für Pneumologie. Recommendations for the choice of inhalatory systems for drug prescription *Pneumologie.* 2001, 55(12): 579-586.
- 093 Kohlhaufel M, Brand P, Scheuch G, Schulz H, Haussinger K, Heyder J. Impulse oscillometry in healthy nonsmokers and asymptomatic smokers: effects of bronchial challenge with methacholine. *J Aerosol Med.* 2001, 14(1): 1-12.

- 092 Meyer T, Brand P, Weber N and Scheuch G. Deposition von therapeutischen Aerosolen in der Lungenperipherie. SCHEUCH, G. (Ed.) in *Aerosole in der Inhalationstherapie V*, (Dustri Verlag Dr. Karl Feistle, Muenchen-Deisenhofen), 2001, 93-100.
- 091 Cloes R, Trammer T, Roeder S and Scheuch G. Das Inhalation-Quality-Check-System (IQ-Check). Eine Meßmethode zur Ueberpruefung der Inhalationsqualitaet bei verschiedenen Inhalationssystemen : Autohaler (AH), Turbohaler (TH) und Diskus (DI). SCHEUCH, G. (Ed.) in *Aerosole in der Inhalationstherapie V*, (Dustri Verlag Dr. Karl Feistle, Muenchen-Deisenhofen), 2001, 116-121.
- 090 Weuthen T, Roeder S, Brand P, Muelliner B and Scheuch G. In-vitro Studie zum Vergleich zweier Formoterol-Pulverinhalatoren. SCHEUCH, G. (Ed.) in *Aerosole in der Inhalationstherapie V*, (Dustri Verlag Dr. Karl Feistle, Muenchen-Deisenhofen), 2001, 135-140.
- 089 Svartengren M, Sommerer K, Scheuch G, Kohlhaeufl M, Heyder J, Falk R, Bergmann R, Hofmann W, Bailey M, Philipson K, Camner P. Comparison of clearance of particles inhaled with bolus and extremely slow inhalation techniques. *Exp Lung Res.* 2001, 27(4): 367-86.
- 088 Moeller W, Scheuch G, Sommerer K and Heyder J: Preparation of spherical monodisperse ferrimagnetic iron-oxide microparticles between 1 and 5 µm. *J Magnetism and Magnetic Mat*, 2001, 225, 8-16
- 087 Scheuch G, Meyer T. [Biophysical basics of aerosol therapy in bronchial asthma] *Z Arztl Fortbild Qualitatssich.* 2001 Nov;95(10):693-7. German
- 086 Muellinger B, Meyer T, Sommerer K, Weber N, Beckmann H, Bernhardt T and Scheuch G. Patient individualized inhalation optimizes peripheral lung deposition. *Drug delivery to the lungs XII*, 2001, 23-26.
- 085 Scheuch G, Meyer T, Muellinger B, Brand P, Sommerer K, Weber N, Haeussinger K and Heyder J. Controlled inhalation improves peripheral lung deposition. *J Aerosol Med*, 2001, 14, 388.
- 084 Sommerer K, Meyer T, Brand P, Muellinger B, Pohner A, Weber N, Beckmann H, Maas-Enriquez M and Scheuch G. Evaluation of an optimal device for peripheral deposition in patients with lung emphysema. *Drug delivery to the lungs XII*, 2001, 171-174
- 083 Kreyling WG and Scheuch G. Clearance of Particles Deposited in the Lungs. *Lung Biology in Health and Disease: Particle-Lung Interactions*, eds: Gehr P and Heyder J, 2000, 143, 323-376
- 082 Kohlhaeufl M, Brand P, Scheuch G, Meyer T, Schulz H, Haussinger K, Heyder J. Aerosol morphometry and aerosol bolus dispersion in patients with CT-determined combined pulmonary emphysema and lung fibrosis. *J Aerosol Med.* 2000, 13(2): 117-124.
- 081 Roeder S, Muellinger B, Brand P, Weuthen T, Scheuch G. Optimierung von Atemmanoevern in der Aerosoltherapie durch eine mechanische Flusslimitierung. SCHEUCH, G. (Ed.) in *Aerosole in der Inhalationstherapie IV* (Dustri Verlag Dr. Karl Feistle, Muenchen-Deisenhofen), 1999, 91 – 95
- 080 Kohlhaeufl M, Brand P, Scheuch G, Haeussinger K, Heyder J. [Aerosol morphometry and aerosol bolus dispersion. Innovative technology in the diagnosis of emphysema. Clinical Cooperative Group "Aerosol Medicine"] *Dtsch Med Wochenschr.* 1999, 19, 124(46): 1399-400. German
- 079 Brand P, Haussinger K, Meyer T, Scheuch G, Schulz H, Selzer T, Heyder J. Intrapulmonary distribution of deposited particles. *J Aerosol Med.* 1999, 12(4): 275-284.

- 078 Zeman KL, Scheuch G, Sommerer K, Brown JS, Bennett WD. In vivo characterization of the transitional bronchioles by aerosol-derived airway morphometry. *J Appl Physiol.* 1999, 87(3): 920-927.
- 077 Kohlhaeufl M, Brand P, Rock C, Radons T, Scheuch G, Meyer T, Schulz H, Pfeifer KJ, Haussinger K, Heyder J. Noninvasive diagnosis of emphysema. Aerosol morphometry and aerosol bolus dispersion in comparison to HRCT. *Am J Respir Crit Care Med.* 1999, 160(3): 913-918.
- 076 Scheuch G, Kohlhaeufl M, Sommerer K, Lichte H, Hess W, Schulz H, Haussinger K, Heyder J. Diagnostic pneumology using model aerosols. *Pneumologie.* 1999, 53(7): 329-36.
- 075 Waber U, Im Hof V, Geiser M, Baumann M, Scheuch G, Gebhardt J, Stahlhofen W, Gehr P. A new methodology for controlled particle inhalation by small rodents. *Exp Lung Res.* 1999, 25(2): 113-125.
- 074 Kohlhaeufl M, Brand P, Scheuch G, Schulz H, Haeussinger K, Heyder J. Pulmonary diagnosis with model aerosols. II: Aerosol bolus dispersion--a marker for convection gas transport. Basic principles and initial clinical results. *Pneumologie.* 1999, 53(1): 50-56.
- 073 Kohlhaeufl M, Brand P, Scheuch G, Meyer TS, Schulz H, Haussinger K, Heyder J. Increased fine particle deposition in women with asymptomatic nonspecific airway hyperresponsiveness. *Am J Respir Crit Care Med.* 1999, 159(3): 902-906.
- 072 Bennett WD, Scheuch G, Zeman KL, Brown JS, Kim C, Heyder J, Stahlhofen W. Regional deposition and retention of particles in shallow, inhaled boluses: effect of lung volume. *J Appl Physiol.* 1999, 86(1): 168-173.
- 071 Scheuch G, Brand P, Roth C, Sommerer K, Meyer T. Ein neues Konzept in der Inhalationstherapie. SCHEUCH, G. (Ed.) in *Aerosole in der Inhalationstherapie III* (Dustri Verlag Dr. Karl Feistle, Muenchen-Deisenhofen), 1999, 24 – 31
- 070 Kohlhaeufl M, Brand P, Selzer T, Scheuch G, Meyer T, Weber N, Schulz H, Haeussinger K, Heyder J. Diagnosis of emphysema in patients with chronic bronchitis: a new approach. *Eur Respir J.* 1998, 12(4): 793-798.
- 069 Bennett WD, Scheuch G, Zeman KL, Brown JS, Kim C and Heyder J: Targeting aerosol bolus delivery to the bronchial airways: effect of anatomic dead space *J Appl Physiol*, 1998, 85, 685-694
- 068 Bennett WD, Scheuch G, Zeman KL, Brown JS, Kim C, Heyder J, Stahlhofen W. Bronchial airway deposition and retention of particles in inhaled boluses: effect of anatomic dead space. *J Appl Physiol.* 1998, 85(2): 685-694.
- 067 Scheuch G, Sommerer K, Moeller W, Kreyling W G, Lichte H and Heyder J. Monodisperse, insoluble Fe<sub>3</sub>O<sub>4</sub> - particles labelled with <sup>99m</sup>Tc for mucociliary clearance studies. *Journal of Aerosol Science*, 1998, 29, 309-310.
- 066 Sommerer K, Scheuch G, Richter A and Bodner A. Untersuchungen des Massenausstoßes von Budecort durch die Rondo Inhalierhilfe. SCHEUCH, G. (Ed.) in *Aerosole in der Inhalationstherapie II* (Dustri Verlag, Muenchen), 1998, 104-110.
- 065 Scheuch G. Teilchen-Clearance aus den konduktiven Atemwegen. SCHEUCH, G. (Ed.) in *Aerosole in der Inhalationstherapie II* (Dustri Verlag, Muenchen), 1998, 116-122.
- 064 Kohlhaeufl M, Spannagl M, Brand P, Scheuch G, Haeussinger K, Schramm W and Heyder J. Systemische Applikation von niedermolekularem Heparin in Aerosolform. SCHEUCH, G. (Ed.) in *Aerosole in der Inhalationstherapie II* (Dustri Verlag, Muenchen), 1998 141-143.

- 063 Haeussinger K, Scheuch G and Kohlhaeufl M. Die Aerosoltherapie in der Praxis: Ein Ausblick. SCHEUCH, G. (Ed.) in *Aerosole in der Inhalationstherapie II* (Dustri Verlag, Muenchen), 1998, 144-148
- 062 Kohlhaeufl M, Brand P, Meyer T, Scheuch G, Weber N, Haussinger K, Schulz H, Heyder J. Detection of impaired intrapulmonary convective mixing by aerosol bolus dispersion in patients with emphysema. *Eur J Med Res.* 1997, 24;2(3): 121-128.
- 061 Roth C, Kreyling WG., Scheuch G, Busch B and Stahlhofen W. Deposition and clearance of fine particles in the human respiratory tract. *Ann. occup. Hyg.* ,1997, 41 Suppl.1, 503-508.
- 060 Kohlhaeufl M, Brand P, Haeussinger K, Scheuch G, Schulz H, Heyder J. [Pneumologic diagnosis with model aerosols--1: Intrapulmonary morphometry. Principles and initial results of clinical research] *Pneumologie.* 1997, 51(1): 40-46. Review. German
- 059 Scheuch G, Stahlhofen W, Fang CP and Lippmann M. Aerosol bolus dispersion and recovery in a human and dog airway cast. *Ann. occup. Hyg.* 1997, 41 Suppl.1, 582-587.
- 058 Kohlhaeufl M, Scheuch G and Haeussinger K: Partikulaere Luftschadstoffe und Lunge am Beispiel des Tabakrauches. *Der Bayerische Internist*, 1997, 17, 15-25
- 057 Kohlhaeufl M, Brand P, Scheuch G, Meyer T, Schulz H, Haeussinger K and Heyder J. Erhoehte Teilchendeponation bei asymptomatischer unspezifischer Hyperreagibilitaet. *Atemwegs-Lungenkrankheiten*, 1997, 23, 483-485.
- 056 Kohlhaeufl M, Brand P, Scheuch G and Schulz H. Metacholinbolusprovokation - Einfluss des Depositionsortes auf die Reizantwort bei asymptomatischer bronchialer Hyperreagibilitaet. SCHEUCH, G. (Ed.) in *Aerosole in der Inhalationstherapie, Grundlagen und Anwendung* (Dustri Verlag Dr. Karl Feistle, Muenchen-Deisenhofen), 1997, 118-126.
- 055 Haeussinger K, Kohlhaeufl M and Scheuch G. Klinische Inhalationstherapie heute und morgen. SCHEUCH, G. (Ed.) in *Aerosole in der Inhalationstherapie, Grundlagen und Anwendung* (Dustri Verlag Dr. Karl Feistle, Muenchen-Deisenhofen), 1997, 153-161
- 054 Brand P., Scheuch G, Schulz H, Meyer T, Kohlhaeufl M, Heyder J. and Haeussinger K. Ermittlung der Verteilung inhalierter Aerosolteilchen mit der Aerosolbolustechnik. SCHEUCH, G. (Ed.) in *Aerosole in der Inhalationstherapie, Grundlagen und Anwendung* (Dustri Verlag Dr. Karl Feistle, Muenchen-Deisenhofen), 1997, 27-40
- 053 Scheuch G. Die PartikelgrOeÙe, der wichtigste Parameter fuer die Inhalierbarkeit und Deposition von Aerosolteilchen. SCHEUCH, G. (Ed.) in *Aerosole in der Inhalationstherapie, Grundlagen und Anwendung* (Dustri Verlag Dr. Karl Feistle, Muenchen-Deisenhofen), 1997, 11-26
- 052 Scheuch G, Stahlhofen W, Heyder J. An approach to deposition and clearance measurements in human airways. *J Aerosol Med.* 1996, 9(1): 35-41.
- 051 Scheuch G, Sommerer K, Haas F, Moeller W, Braun W and Rzeznik J. Estimating the filter efficiency from an electrostatic filter device by measuring the decay of the aerosol concentration in a room. *J Aerosol Sci.* 1995, 26, 719-720.
- 050 Scheuch G, Philipson K, Falk R, Anderson M, Svartengren M, Stahlhofen W, Camner P. Retention of particles inhaled in boli with and without induced bronchoconstriction. *Exp Lung Res.* 1995, 21(6): 901-916.
- 049 Scheuch G, Stahlhofen W, Fang CP and Lippmann M. Dispersion of aerosol particles in an airway cast of a dog. *Exp Lung Res*, 1995, 21, 519-534
- 048 Fang CP, Lippmann M, Scheuch G, Stahlhofen W. Effect of flow rate on aerosol bolus penetration in a hollow canine lung airway cast. *Exp Lung Res.* 1995, 21(4): 547-558.

- 047 Stahlhofen W, Scheuch G and Bailey MR: Investigations of retention of inhaled particles in the human bronchial tree. *Radiation Protection Dosimetry*, 1995, 60, 311-319
- 046 Gentry JW, Gebhart J and Scheuch G. A vector model for the total aerosol deposition efficiency under the simultaneous action of more than one mechanism. *J. Aerosol Sci.*, 1994, 25, 315-326
- 045 Roth C, Scheuch G and Stahlhofen W: Clearance measurements with radioactively labelled ultrafine particles. *Ann occup Hyg*, 1994, 38, 101-106
- 044 Scheuch G and Stahlhofen W. Effect of settling velocity on particle recovery from human conducting airways after breath holding. *Ann. occup. Hyg.*, 1994, 38, 159-166.
- 043 Scheuch G and Stahlhofen, W. Aerosol dispersion in human airways during one breathing cycle: The dependence of the aerosol penetration. *J Aerosol Sci.* 1994, 25, 553-554.
- 042 Scheuch G. Particle recovery from human conducting airways after shallow aerosol bolus inhalation. *J Aerosol Sci*, 1994, 25, 957-973.
- 041 Siekmeier R, Scheuch G and Stahlhofen W. Effect of heart rate and lung inflation on aerosol derived effective airway dimensions. *J Aerosol Sci*, 1994, 25, 479-480
- 040 Stahlhofen W, Scheuch G and Bailey MR. Measurements of the tracheobronchial clearance of particles after aerosol bolus inhalation *Ann. occup. Hyg.*, 1994, 38, 189-196
- 039 Roth C, Scheuch G and Stahlhofen W. Clearance of the human lungs for ultrafine particles. *J Aerosol Sci.* 1993, 24, 95-96.
- 038 Scheuch G, Stahlhofen W, Fang CP and Lippmann M. Aerosol recovery after bolus inhalations into an airway cast. *J Aerosol Sci.* 1993, 24, 355-356.
- 037 Scheuch G and Stahlhofen W: Deposition and dispersion of aerosols in the the airways of the human respiratory tract: the effect of particle size. *Exp Lung Res*, 1992, 18, 343-358.
- 036 Scheuch G, Schiller-Scotland CF and Stahlhofen W. The effect of particle size on the evaluation of aerosol derived effective airway dimension (EAD). *J. Aerosol Med.* 1992, 5, 1-9.
- 035 Scheuch G and Stahlhofen W.: The recovery of 1 $\mu$ m aerosol particles from large human airways. *J Aerosol Sci.* 1992, 23, 477-481.
- 034 Scheuch G and Stahlhofen W: Effect of heart rate on aerosol recovery in human conducting airways after periods of breathholding. *Exp Lung Res*, 1991, 17, 763-787
- 033 Scheuch G and Heyder J: Dynamic shape factor of nonspherical aerosol particles in the diffusion regime. *Aerosol Sci Technol*, 1990, 12, 270-277.
- 032 Stahlhofen W, Koebrich R, Rudolf G and Scheuch G. Short-term and long-term clearance of particles from the upper human respiratory tract as function of particle size. *J Aerosol Sci.* 1990, 21, 407-410
- 031 Scheuch G and Stahlhofen W. Dispersion of Aerosol Boluses in the Human Tracheo-Bronchial-Tract During Periods of Breathholding. *J. Aerosol Sci*, 1990, 21, 431-434
- 030 Scheuch G, Gebhart J, Roth C. Uptake of electrical charges in the human respiratory tract during exposure to air loaded with negative ions. *J Aerosol Sci*, 1990, 21, 439-442
- 029 Stahlhofen W and Scheuch G: Messung der menschlichen Mukoziliarclearance. *Pneumologie*, 1990, 44, 422-423
- 028 Schiller-Scotland CF, Gebhart J, Lintl H, Scheuch G and Siekmeier R: Der Einsatz von Aerosolen zur Bestimmung von Atemwegsdurchmessern. *Atemw Lungenkrkh*, 1989, 15, 322-325

- 027 Scheuch G, Gebhart J, Heigwer G and Stahlhofen W: A New Device for Human Inhalation Studies with Small Aerosol Boluses. *J Aerosol Sci*, 1989, 20, 1293-1296
- 026 ImHof V, Scheuch G, Geiser M, Gebhart J, Gehr P and Heyder J: Techniques for the determination of particle deposition in lungs of hamsters. *J Aerosol Med*, 1989, 2, 247-259
- 025 Kronenberger H, Meier-Sydow J, Lintl H, Gebhart J, Heibel T, Scheuch G, Stahlhofen W and Heyder J: Empfindlichkeit der Aerosol-Methode zur morphometrischen Bestimmung von Atemwegsdurchmessern bei Fenoterol-induzierter Bronchodilatation Atemw Lungenkrkh, 1989, 15, 315
- 024 Scheuch G and Stahlhofen W. Charting the Upper Human Airways by Means of Aerosol Boluses. In Griffiths WD ed. *Aerosols: Their Generation, Behaviour and Applications*, Barrow Reprograph. Ltd, Loughborough (UK) 1989, 107-113
- 023 Scheuch G, Gebhart J, Heibel T, Heiker E, Kronenberger H, Lintl H, Meier-Sydow J, Stahlhofen W and Heyder J. Assessment of bronchodilation by aerosols. *J Aerosol Med*, 1988, 1, 256 – 257.
- 022 Scheuch G and Stahlhofen W: Particle Deposition and Clearance from Inhaled Aerosol Boluses. *J Aerosol Med*. 1988, 1, 210 – 211.
- 021 Heyder J, Gebhart J and Scheuch G. Influence of Human Lung Morphology on Particle Deposition. *J. Aerosol Med*, 1988, 1, 81-88.
- 020 Scheuch G and Stahlhofen W: Particle deposition of inhaled aerosol boluses in the upper human airways. *J Aerosol Med*, 1988, 1, 29-36.
- 019 Rudolf G., Gebhart J., Scheuch G and Stahlhofen W. Mass deposition from inspired polydisperse aerosols. DODGSON, J. (Ed.) in *Inhaled Particles VI* (Pergamon Press, Oxford), 1988, 919-938.
- 018 Scheuch G, Gebhart J, Heibel T, Heiker E, Heyder J, Kronenberger H, Lintl H, Meier-Sydow J and Stahlhofen W. Effect of fenoterol-induced bronchodilation on aerosol derived bronchial, airway diameters. *J Aerosol Sci*. 1988, 19, 1145-1147.
- 017 Gebhart J, Scheuch G., Gehr P, Geiser M, Heyder J and ImHof V. Individual aerosol exposure unit for small rodents using photometry. *J Aerosol Sci*. 1988, 19, 1105-1108.
- 016 Schiller-Scotland CF, Gebhart J, Lintl H, Rudolf G, Scheuch G and Siekmeier R. Human airway diameters derived from aerosol inhalation studies -- reproducibility of data. *J Aerosol Sci*. 1988, 19, 1067-1070.
- 015 Scheuch G and Stahlhofen W. Particle Deposition of Inhaled Aerosol Boluses in the Upper Human Airways. *J Aerosol Sci*, 1987, 18, 725 – 727.
- 014 Stahlhofen W, Gebhart J, Rudolf G, Scheuch G. Retention of radioactively labelled Fe<sub>2</sub>O<sub>3</sub>-particles in the human lungs. In Hoffmann, W. ed. *Deposition and Clearance of Aerosols in the Human Respiratory Tract*. (Facultas Universitaetsverlag, Wien). 1987, 123-128.
- 013 Stahlhofen W, Gebhart J, Rudolf, G, Scheuch G, Bailey MR. Human Lung Clearance of Inhaled Radioactively Labelled Particles in Vertical and Horizontal Position of the Inhaling Person. *J Aerosol Sci*. 1987, 18, 741-744.
- 012 Scheuch G, Heyder J. Condensation Growth of polydisperse ultrafine aerosols to monodisperse aerosols. In: *Aerosols: Formation and reactivity*, (Pergamon Press Oxford, UK), 1986, 1057 – 1060.
- 011 Scheuch G, Heyder J. Diffusional Losses of Nonspherical Particles in Tubes. *J Aerosol Sci*. 1986, 17, 432-435.

- 010 Stahlhofen W, Gebhart J, Rudolf G, Scheuch G. Measurement of Lung Clearance with Pulses of Radioactively-Labelled Aerosols. *J. Aerosol Sci.* 1986, 17, 333-336.
- 009 Heyder J, Gebhart J and Scheuch G. Interaction of diffusional and gravitational particle transport in aerosols. *Aerosol Sci Tech*, 1985, 4, 315-326.
- 008 Stahlhofen W, Gebhart J, Heyder J and Scheuch G and Juraske P. Particle deposition in extrathoracic airways of healthy subjects and of patients with early stages of laryngeal carcinoma. *J. Aerosol Sci*, 1984 15, 215-217.
- 007 Stahlhofen W, Scheuch G, Kronenberger H. [Regional deposition of aerosol particles in the respiratory tract of dental technicians] *Dent Labor (Munch)*. 1984, 32(9): 1007-1009. German
- 006 Heyder J, Gebhart J, Roth C, Scheuch G and Stahlhofen W. Diffusional transport of aerosol particles. *Journal of Aerosol Science*, 1983, 14, 279-280.
- 005 Stahlhofen W, Gebhart J, Heyder J and Scheuch G. New regional deposition data of the human respiratory tract. *J. Aerosol Sci*, 1983, 14, 186-188.
- 004 Rudolf G, Gebhart J, Heyder J, Scheuch G and Stahlhofen W. Modelling the deposition of submicrometer aerosol particles in the human respiratory tract. *J. Aerosol Sci*, 1983, 14, 188-192.
- 003 Gebhart J, Heyder J and Scheuch G: Nachweis von Funktionsstörungen der Lunge mit Hilfe der Aerosolpuls-Technik. *Med Physik*, 1983, 265 – 270.
- 002 Stahlhofen W, Gebhart J, Heyder J, Scheuch G and Juraske P. Ablagerung von Aerosolteilchen im Extrathorakalbereich des Atemtraktes bei Gesunden und Patienten mit Larynxkarzinom. *Med Physik*, 1983, 271- 276.
- 001 Stahlhofen W, Gebhart J, Heyder J, Scheuch G. Deposition pattern of droplets from medical nebulizers in the human respiratory tract. *Bull Eur Physiopathol Respir*. 1983, 19(5): 459-463.