

PUBLIKATIONSVERZEICHNIS

- Wiltfang J, Klotz S, Jordan W, Cohrs S, Engelke W, Ludwig A, Hajak G: Erste Ergebnisse zum Training der suprahyoidalen Muskulatur bei Probanden und einem Patienten mit obstruktiver Schlafapnoe.
Somnologie **1**, 160 - 164 (1997)
- Wiltfang J, Klotz S, Wiltfang J., Jordan W, Cohrs S, Engelke W, Hajak G: First results on daytime electromyostimulation of suprahyoidal muscles to prevent night-time hypopharyngeal collapse in obstructive sleep apnea syndrome.
Int J Oral Maxillofac Surg **28**, 21- 25 (1999)
- Oliven A, Schnall RP, Pillar G, Gavriely N, Odeh M: Sublingual electrical stimulation of the tongue during wakefulness and sleep.
Respir Physiol **127**, 217 – 226 (2001)
- Verse T, Schwalb J, Mauerr JT, Stuck BA, Hörmann K: Transcutaneous submental electromyostimulation therapy for obstructive sleep apnea. First clinical results.
Somnologie **6**, Suppl. 1, 40 (2002)
- Ludwig A, Monzavifar O, Jordan W: Obstructive sleep apnea syndrome: results of therapy by electromyostimulation.
Int J Oral Maxillofac Surg **32**, Suppl 1, S 24 (2003)
- Ludwig A, Monzavifar O: Obstructive sleep apnea therapy: enoral-cutaneous versus cutaneous submental electromyostimulation.
Int J Oral Maxillofac Surg **32**, Suppl 1, S 78 (2003)
- Ludwig A, Monzavifar O, Diederich D: The individually adapted intraoral electromyostimulation electrode for therapy of sleep apnea.
Int J Oral Maxillofac Surg **32**, Suppl 1, S 122 (2003)
- Monzavifar O, Ludwig A: Oral polysensography (OPSG) of the tongue force.
Int J Oral Maxillofac Surg **32**, Suppl 1, S 17 (2003)
- Randerath WJ, Galetke W, Rocholl C, Rühle KH: Tongue muscle training by intraoral electrical stimulation in obstructive sleep apnea. A double-blind, placebo-controlled study.
Am J Respir Crit Care Med **167**, A 327 (2003)
- Randerath WJ, Galetke W, Rocholl C, Rühle KH: Zungenmuskeltraining durch intraorale Elektrostimulation bei obstruktiver Schlafapnoe..
Am J Respir Crit Care Med **167**, A 327 (2003)
- Ludwig A, Monzavifar O: Comparison of effectivity of enoral-cutaneous and cutaneous submental EMS of the mylohyoideus muscle – Influence on therapy in obstructive sleep apnea?
Am J Respir Crit Care Med **167**, A 132 (2003)
- Ludwig A, Monzavifar O, Jordan W: Results of therapy of sleep apnea syndrome by electromyostimulation.
Am J Respir Crit Care Med **167**, A 132 (2003)
- Ludwig A, Monzavifar O: New individually adapted intraoral electrode for electromyostimulation of the geniopharyngeal muscle – First experiences.
Am J Respir Crit Care Med **167**, A 789 (2003)
- Monzavifar O, Ludwig A: Polysensographical Measurement of the tongue force under electromyostimulation of the muscles of the mouth floor.
Am J Respir Crit Care Med **167**, A 789 (2003)
- Oliven A, Tov N, Odeh M, Geitini L, Steinfeld U, Oliven R, Schwartz AR: Effect of genioglossus (GG) contraction on oro- (OP) and naso-pharyngeal (NP) cross-sectional area (CSA) and airflow in patients with obstructive sleep apnea (OSA).
Am J Respir Crit Care Med **169**, Suppl 1, A435 (2004)

- Oliven A, O'Hearn DJ, Boudewyns A, Odeh M, De Backer W, van de Heyning P, Smith PL, Eisele DW, Allan L, Schneider H, Testerman R, Schwartz AR: Upper airway response to electrical stimulation of the genioglossus in obstructive sleep apnea.
J Appl Physiol **95**, 2023 – 2029 (2003)
- Ludwig A, Monzavifar O, Jordan W: Electromyostimulation for therapy of sleep induced apnea syndrome.
Sleep Medicine **4**, Suppl 1, S 28 (2003)
- Ludwig A, Monzavifar O: Therapy of sleep apnea with a new individually adapted intraoral electromyostimulation electrode.
Sleep Medicine **4**, Suppl 1, S 28 (2003)
- Ludwig A, Monzavifar O: Polysensography of the tongue force – A parameter for controlling the effectivity of electromyostimulation in patient with sleep apnoe?
Sleep Medicine **4**, Suppl 1, S 28 - S 29 (2003)
- Ludwig A: Vermessung der Mundbodenmuskulatur mittels 3D-Sonographie bei schlafbezogenen Atmungsstörungen.
Ultraschall in Med **24**, Suppl 1, S 56 - S 57 (2003)
- Doherty LS, Connor CO, Malley MO, McNicholas WT, Nolan PJ: Optimising the measurement of genioglossus fatigue using surface electromyography.
Am J Respir Crit Care Med **169**, Suppl. 1, A 434 (2004)
- Ludwig A: Techniken, Methodik, Messverfahren und Ergebnisse der Elektromyostimulation (EMS) zur Therapie schlafbezogener Atmungsstörungen. Abstractsammlung der 6. Jahrestagung der Norddeutschen Vereinigung für Schlafmedizin (NVSM), S. 1 (2004)
- Ludwig A: Influence of different electromyostimulation systems of the geniohyoid muscle in patients with obstructive sleep apnea.
Am J Respir Crit Care Med **169**, A 436 (2004)
- Ludwig A: Therapie obstruktiver schlafbezogener Atmungsstörungen mittels Elektromyostimulation (EMS). Nachweis der Trainingseffekte durch 3D-Sonographie der Mundbodenmuskulatur.
Somnologie **8**, Suppl 1, 50 (2004)
- Ludwig A: Enoral-kutane versus kutaner, submentaler Elektromyostimulation der Mundbodenmuskulatur bei schlafbezogenen Atmungsstörungen.
Somnologie **8**, Suppl 1, 23 - 24 (2004)
- Hegewald R, Ludwig A: Snoring and sleep related disorders. Biomedizinische Technik **49**, 500 – 501 (2004)
- Hegewald R, Ludwig A: Schnarchen und schlafbedingte Atmungsstörungen. Biomedizinische Technik **49**, 500 – 501 (2004)
- Ludwig A: Long term or short term EMS therapy in OSAS?
Respirology **10**, Suppl, A 22 (2005)
- Ludwig A: EMS therapy with optimized intraoral electrodes in OSAS.
Respirology **10**, Suppl, A 91 (2005)
- Ludwig A: Optimized intraoral electrodes for electromyostimulation therapy in obstructive sleep apnea.
Proc Am Thoracic Soc **2**, Suppl, A 612 (2005)
- Ludwig A: How long does electromyostimulation therapy have to be applied in obstructive sleep apnea?
Proc Am Thoracic Soc **2**, Suppl, A 613 (2005)