



Victor E Staartjes

Contact

Victor E Staartjes

Publications (22)

Grob A, Rohr J, Stumpo V, Vieli M, Ciobanu-Caraus O, Ricciardi L, Maldaner N, Raco A, Miscusi M, Perna A, Proietti L, Lofrese G, Dughiero M, Cultrera F, D'Andrea M, An S, Ha Y, Amelot A, Bedia Cadelo J, Viñuela-Prieto J, Gandía-González M, Girod P, Lener S, Kögl N, Abramovic A, Laux C, Farshad M, O'Riordan D, Loibl M, Galbusera F, Mannion A, Scerrati A, De Bonis P, Molliqaj G, Tessitore E, Schröder M, Stienen M, Regli L, Serra C, Staartjes V. Multicenter external validation of prediction models for clinical outcomes after spinal fusion for lumbar degenerative disease. *Eur Spine J* 2024

Carretta A, Epskamp M, Ledermann L, Staartjes V, Neidert M, Regli L, Stienen M. Collagen-bound fibrin sealant (TachoSil®) for dural closure in cranial surgery: single-centre comparative cohort study and systematic review of the literature. *Neurosurg Rev* 2022; 45:3779-3788.

Rodrigues A, Schonfeld E, Varshneya K, Stienen M, Staartjes V, Jin M, Veeravagu A. Comparison of Deep Learning and Classical Machine Learning Algorithms to Predict Postoperative Outcomes for Anterior Cervical Discectomy and Fusion Procedures With State-of-the-art Performance. *Spine (Phila Pa 1976)* 2022; 47:1637-1644.

Akeret K, Vasella F, Staartjes V, Velz J, Müller T, Neidert M, Weller M, Regli L, Serra C, Kraysenbühl N. Anatomical phenotyping and staging of brain tumours. *Brain* 2022; 145:1162-1176.

Staartjes V, Stumpo V, Ricciardi L, Maldaner N, Eversdijk H, Vieli M, Ciobanu-Caraus O, Raco A, Miscusi M, Perna A, Proietti L, Lofrese G, Dughiero M, Cultrera F, Nicassio N, An S, Ha Y, Amelot A, Alcobendas I, Viñuela-Prieto J, Gandía-González M, Girod P, Lener S, Kögl N, Abramovic A, Safa N, Laux C, Farshad M, O'Riordan D, Loibl M, Mannion A, Scerrati A, Molliqaj G, Tessitore E, Schröder M, Vandertop W, Stienen M, Regli L, Serra C. FUSE-ML: development and external validation of a clinical prediction model for mid-term outcomes after lumbar spinal fusion for degenerative disease. *Eur Spine J* 2022; 31:2629-2638.

Staartjes V, Klukowska A, Vieli M, Niftrik C, Stienen M, Serra C, Regli L, Vandertop W, Schröder M. Machine learning-augmented objective functional testing in the degenerative spine: quantifying impairment using patient-specific five-repetition sit-to-stand assessment. *Neurosurg Focus* 2021; 51:E8.

Yang Y, Zeitberger A, Neidert M, Staartjes V, Broggi M, Zattra C, Vasella F, Velz J, Bartek J, Fletcher-Sandersjö A, Förander P, Kalasauskas D, Renovanz M, Ringel F, Brawanski K, Kerschbaumer J, Freyschlag C, Jakola A, Sjøvik K, Solheim O, Schatlo B, Sachkova A, Bock H, Hussein A, Rohde V, Broekman M, Nogarede C, Lemmens C, Kernbach J, Neuloh G, Kraysenbühl N, Ferroli P, Regli L, Bozinov O, Stienen M. The association of patient age with postoperative morbidity and mortality following resection of intracranial tumors. *Brain Spine* 2021; 1:100304.

Stumpo V, Serra C, Stienen M, Anderer E, Schröder M, Tessitore E, Corniola M, Quddusi A, Staartjes V, Regli L. Enhanced Recovery After Surgery strategies for elective craniotomy: a systematic review. *J Neurosurg* 2021:1-25.

Maldaner N, Burkhardt J, Chiappini A, Robert T, Schatlo B, Schmid J, Maduri R, Staartjes V, Seule M, Weyerbrock A, Serra C, Stienen M, Bozinov O, Daniel R, Fandino J, Marbacher S, Zeitberger A, Sosnova M, Goldberg J, Fung C, Bervini D, May A, Bijlenga P, Schaller K, Roethlisberger M, Rychen J, Zumofen D, D'Alonzo D, Regli L. Development of a Complication- and Treatment-Aware Prediction Model for Favorable Functional Outcome in Aneurysmal Subarachnoid Hemorrhage Based on Machine Learning. *Neurosurgery* 2021; 88:E150-E157.

Staartjes V, Joswig H, Corniola M, Schaller K, Gautschi O, Stienen M. Association of Medical Comorbidities With Objective Functional Impairment in Lumbar Degenerative Disc Disease. *Global Spine J* 2020; 12:1184-1191.

Stumpo V, Serra C, Stienen M, Veeravagu A, Schröder M, Gadraj P, Golahmadi A, Klukowska A, Staartjes V, Regli L. Global adoption of robotic technology into neurosurgical practice and research. *Neurosurg Rev* 2020

Azad T, Ehresman J, Ahmed A, Staartjes V, Lubelski D, Stienen M, Veeravagu A, Ratliff J. Fostering reproducibility and generalizability in machine learning for clinical prediction modeling in spine surgery. *Spine J* 2020

Jin M, Ratliff J, Veeravagu A, Han S, Stienen M, Staartjes V, Zhang Y, Feng A, Ho A, Desai A. Predictive modeling of long-term opioid and benzodiazepine use after intradural tumor resection. *Spine J* 2020

Staartjes V, Serra C, van Niftrik C, Stienen M, Veeravagu A, Schröder M, Gadjradj P, Klukowska A, Kernbach J, Stumpo V, Regli L. Machine learning in neurosurgery: a global survey. *Acta Neurochir (Wien)* 2020; 162:3081-3091.

Akeret K, Staartjes V, Vasella F, Serra C, Fierstra J, Neidert M, Regli L, Krayenbühl N. Distinct topographic-anatomical patterns in primary and secondary brain tumors and their therapeutic potential. *J Neurooncol* 2020; 149:73-85.

Staartjes V, Schatlo B, Sachkova A, Bock H, Hussein A, Rohde V, Broekman M, Nogarede C, Lemmens C, Kernbach J, Neuloh G, Bozinov O, Krayenbühl N, Sarnthein J, Ferrolì P, Regli L, Stienen M, Solheim O, Sjøvik K, Broggi M, Zattra C, Vasella F, Velz J, Schiavolin S, Serra C, Bartek J, Fletcher-Sandersjö A, Förander P, Kalasauskas D, Renovanz M, Ringel F, Brawanski K, Kerschbaumer J, Freyschlag C, Jakola A, FEBNS. Development and external validation of a clinical prediction model for functional impairment after intracranial tumor surgery. *J Neurosurg* 2020:1-8.

Tosic L, Gautschi O, Regli L, Desai A, Sayadi J, Gandía-González M, Quddusi A, Eversdijk H, Gadjradj P, Staartjes V, Zeitlberger A, Sosnova M, Maldaner N, Goldberger E, Stienen M. Normative data of a smartphone app-based 6-minute walking test, test-retest reliability, and content validity with patient-reported outcome measures. *J Neurosurg Spine* 2020:1-10.

Klukowska A, Schröder M, Stienen M, Staartjes V. Objective functional impairment in lumbar degenerative disease: concurrent validity of the baseline severity stratification for the five-repetition sit-to-stand test. *J Neurosurg Spine* 2020:1-8.

Staartjes V, Stinn B. Data Mining in Spine Surgery: Leveraging Electronic Health Records for Machine Learning and Clinical Research. *Neurospine* 2019; 16:654-656.

Stienen M, Regli L, Park J, Zygorakis C, Desai A, Veeravagu A, Ho A, Sosnova M, Maldaner N, Staartjes V, Gautschi O, Ratliff J. Reliability of the 6-minute walking test smartphone application. *J Neurosurg Spine* 2019:1-8.

Stienen M, Ratliff J, Regli L, Bellut D, Gautschi O, Desai A, Veeravagu A, Maldaner N, Staartjes V, Ho A, Park J. Objective measures of functional impairment for degenerative diseases of the lumbar spine: a systematic review of the literature. *Spine J* 2019; 19:1276-1293.

van Niftrik C, Regli L, Krayenbühl N, Bozinov O, Sarnthein J, Fedele T, Sebök M, Akeret K, Stienen M, Fierstra J, Staartjes V, van der Wouden F, Serra C. Machine Learning Algorithm Identifies Patients at High Risk for Early Complications After Intracranial Tumor Surgery: Registry-Based Cohort Study. *Neurosurgery* 2019; 85:E756-E764.

Projects (0)

No results found.

Kantonsspital St.Gallen

Rorschacher Strasse 95

CH-9007 St.Gallen

T: +41 71 494 11 11

support.forschung@kssg.ch