

PROF. DR. THIJS VANDE VYVERE

Founder/Director, Mathelios Annotations

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Google Scholar: <https://scholar.google.com/citations?user=G6fog4wAAAAJ&hl=en>

Radiological researcher with expertise in 3D anatomical annotation, modelling and medical image segmentation, with hands-on experience in gross anatomical dissection and over a decade of research into the radiological anatomy of the (injured) brain. Trusted collaborator to multidisciplinary teams of radiologists, surgeons, other clinicians and technical specialists.

PROFESSIONAL EXPERIENCE

Founder/Director

Mathelios Annotations, 2026-Present

Guest Professor

Department of Molecular Imaging and Radiology (MIRA), University of Antwerp, 2024-Present

- Lecturing in neuroscience, anatomy, and radiology, supervising students (from bachelor's to PhD levels), and serving as a jury member for thesis defenses

Postdoctoral Researcher

Department of Radiology, Antwerp University Hospital, Antwerp, Belgium, 2021-Present

- Coordinate CENTER-TBI neuroimaging research, spanning structured reporting to segmentation projects
- Co-coordinate departmental research (supporting researcher collaboration, scientific boards, grant writing)
- Further acquired and refined computational skills for data and medical image analysis
- Acquired skills in cadaveric dissection, ultra-high field neuro- and MSK imaging

Doctoral Researcher

Department of Radiology, Antwerp University Hospital, Antwerp and icometrix, Leuven, Belgium, 2015-2020

- Radiologically evaluated and reported over 5,000 CT and MRI brain scans for the CENTER-TBI study
- Specialized in (patho-)anatomical segmentation for building AI-algorithms in collaboration with engineers
- Co-authored multidisciplinary research articles, led imaging sections, and performed detailed data analysis, contributing to impactful findings on TBI that were published in high-impact journals

EDUCATION

Postgraduate Certificate in Clinical Anatomy

Vrije Universiteit Brussel, Belgium, 2025

- Supervisors: Prof. Dr. Aldo Scafogliero (Anatomist), Prof. Dr. Erik Catrysse (Anatomist)

Doctor of Philosophy, Medical Sciences - Neuroanatomy/Neuroradiology

University of Antwerp, Belgium, 2020

- Supervisors: Prof. Dr. Paul M. Parizel (Neuroradiologist), Prof. Dr. Pim Pullens (Physicist)
- Mentors: Emer. Prof. Dr. Guido Wilms (Neuroradiologist), Emer. Prof. Dr. Andrew Maas (Neurosurgeon)

Master of Science, Biomedical Sciences - Neurosciences

University of Antwerp, Belgium, 2014

- Supervisors: Prof. Dr. Johan Van Goethem (Neuroradiologist), Prof. Dr. Paul M. Parizel (Neuroradiologist)

LANGUAGES

Dutch (mother tongue), English (advanced), French (upper intermediate), Italian (upper intermediate), Spanish (upper intermediate), Portuguese (pre-intermediate), German (elementary)

COMMUNITY INVOLVEMENT / SERVICE

- Co-chaired NIH/NINDS Working Group on Traumatic Brain Injury Imaging CDEs (2023- Current)

- Working Group on Repetitive Head Injuries and Policy Regarding Headers in Youth Football Belgium (2025)

PEER-REVIEWED PUBLICATIONS

Current Google Scholar h-index: **31**

Malmi K, Pisica D, Hossain I, Mohammadian M, van Essen T, Luoto T, Mondello S, Takala R, Tenovuo O, **Vande Vyvere T**, Vreeburg R, Yue J, Maas A, Wang K, Menon D, Newcombe V, Buki A, Posti J. (2026) Blood biomarkers for identifying epidural hematoma in patients presenting with a Glasgow Coma Scale of 13-15: a collaborative European Neurotrauma Effectiveness Research in Traumatic Brain Injury (CENTER-TBI) study. *Journal of Neurotrauma*. doi: [10.1177/08977151261430239](https://doi.org/10.1177/08977151261430239)

Nelson LD, Magnus BE, Yue JK, Balsis S, Patrick CJ, Temkin N, Yuh EL, Diaz-Arrastia R, Ryu E, Maas AIR, Menon DK, Wilson L, Manley GT, Grandhi R, Keene CD, Madden C, McCrea M, Merchant R, Mukherjee P, Ngwenya LB, Puccio A, Robertson C, Schnyer D, Taylor SR, Vassar M, Ackert-Lund C, Adams H, Amrein K, Andelic N, Andreassen L, Anke A, Antoni A, Audibert G, Azouvi P, Azzolini ML, Bartels R, Barzó P, Beauvais R, Beer R, Bellander BM, Belli A, Benali H, Berardino M, Beretta L, Blaabjerg M, Bragge P, Menovsky T, Parizel PM, **Vande Vyvere T**, Zoerle T (2025). Beyond mild, moderate, and severe traumatic brain injury: modelling severity from clinical, neuroimaging, and blood-based indicators. *Journal of Neurotrauma*. doi: <https://doi.org/10.1016/j.jebiom.2025.106001>

Mac Donald CL, Yuh EL, **Vande Vyvere T**, Edlow BL, Li LM, Mayer AR, Mukherjee P, Newcombe VFJ, Wilde EA, Koerte IK, Yurgelun-Todd D, Wu YC, Duhaime AC, Awwad HO, Dams-O'Connor K, Doperalski A, Maas AIR, McCrea MA, Umoh N, Manley GT (2025). Neuroimaging characterization of acute traumatic brain injury with focus on frontline clinicians: recommendations from the 2024 National Institute of Neurological Disorders and Stroke Traumatic Brain Injury Classification and Nomenclature Initiative Imaging Working Group. *Journal of Neurotrauma*. doi: <https://doi.org/10.1089/neu.2025.0079>

Shan Y, Xue Y, Zhu J, **Vande Vyvere T**, Pisică D, Maas A, Zhang S, Gao G. (2025) Development and validation of intracranial hypertension prediction models based on radiomic features in patients with traumatic brain injury: an exploratory study based on CENTER-TBI data. *Crit Care*. doi: [10.1186/s13054-025-05328-4](https://doi.org/10.1186/s13054-025-05328-4).

Wintermark M, Allen J, Anzai Y, Das T, Flanders A, Galanaud D, Gean A, Haller S, Lu H, ... **Vande Vyvere T**, ... Zakharova N and Parizel P.M. (2024) Standardized reporting for Head CT Scans in patients suspected of traumatic brain injury (TBI): An international expert endeavor. *Neuroradiology*. doi: <https://link.springer.com/article/10.1007/s00234-024-03410-2>

Pisică D, Volovici V, Yue JK, van Essen TA, den Boogert HF, **Vande Vyvere T**, Haitsma I, Nieboer D, Markowitz AJ, Yuh EL, Steyerberg EW, Peul WC, Dirven CMF, Menon DK, Manley GT, Maas AIR, Lingsma HF. (2024). Clinical and Imaging Characteristics, Care Pathways, and Outcomes of Traumatic Epidural Hematomas: A Collaborative European NeuroTrauma Effectiveness Research in Traumatic Brain Injury Study. *Neurosurgery*. doi: [10.1227/neu.0000000000002982](https://doi.org/10.1227/neu.0000000000002982).

Vande Vyvere T, and Pisică D, Wilms, G, Claes L, Van Dyck P, ..., Maas A and Parizel P.M. (2024). Imaging findings in acute traumatic brain injury: a NINDS common data element-based pictorial review and analysis of over 4,000 admission brain CT scans from the CENTER-TBI study. *J Neurotrauma*. doi: <https://liebertpub.com/doi/epdf/10.1089/neu.2023.0553>

De Groote A, **Vande Vyvere T**, Tjalma W, Berghe WV, Kumar-Singh S, De Groef A, Meeus M (2024). Cytokine Expression in Cancer Survivors Suffering From Chronic Pain: A Systematic Review. *Pain Physician*.

Čarna, M, Onyango, IG, Katina, S, Holub D, Novotny JS, Nezvedova M, Jha D, Nedelska Z, Lacovich V, ... **Vande Vyvere T**, ... Stokin G. (2023). Pathogenesis of Alzheimer's disease: Involvement of the choroid plexus. *Alzheimer's Dement*. doi: <https://doi.org/10.1002/alz.12970>

Haenen V, Evenepoel M, De Baerdemaeker T, Meeus M, Devoogdt N, Morlion B, Dams L, Van Dijck S, Van der Gucht E, De Vrieze T, **Vande Vyvere T**, An De Groef (2023). Pain prevalence and characteristics in survivors of solid cancers: a systematic review and meta-analysis. *Supportive care in cancer*. doi: <https://doi.org/10.1007/S00520-022-07491-8>

Vande Vyvere T, De Groote A, De Groef A, Haenen V, Tjalma W, Van Dyck P, Meeus M (2022). Morphological and functional brain changes in chronic cancer-related pain: a systematic review. *The Anatomical Record*. doi: [10.1002/ar.25113](https://doi.org/10.1002/ar.25113)

Maas AIR, Menon DK, Manley, GT ... **Vande Vyvere T**, ... (2022). Traumatic brain injury: progress and challenges in prevention, clinical care, and research. *The lancet neurology*. doi: [https://doi.org/10.1016/S1474-4422\(22\)00309-X](https://doi.org/10.1016/S1474-4422(22)00309-X)

Van Dyck P, Smekens C, Roelant E, **Vande Vyvere T**, Snoeckx A, de Smet E (2022). 3D CAIPIRINHA SPACE versus standard 2D TSE for routine knee MRI: a large-scale interchangeability study. *European Radiology*. doi: [10.1007/S00330-022-08715-5](https://doi.org/10.1007/S00330-022-08715-5)

Whitehouse DP, Monteiro M, Czeiter E, **Vande Vyvere T**, ... , Newcombe VFJ (2022). Relationship of admission blood proteomic biomarkers levels to lesion type and lesion burden in traumatic brain injury: a CENTER-TBI study. *EBioMedicine*. doi: [10.1016/J.EBIOM.2021.103777](https://doi.org/10.1016/J.EBIOM.2021.103777)

Yuh EL, Jain S, Sun X, Pisica D, Harris MH, Taylor SR, Markowitz AJ, Mukherjee P, Verheyden J, Giacino JT, ... **Vande Vyvere T**, ... Manley GT (2021). Pathological computed tomography features associated with adverse outcomes after mild traumatic brain injury: a TRACK-TBI study with external validation in CENTER-TBI. *JAMA neurology* 78 (9):1137-1148. doi: [10.1001/JAMANEUROL.2021.2120](https://doi.org/10.1001/JAMANEUROL.2021.2120)

Wilson L, Horton L, Kunzmann K, Sahakian BJ, Newcombe VFJ, Stamatakis EA, von Steinbuechel N, Cunitz K, Covic A, ... **Vande Vyvere T**, ... Menon D (2021). Understanding the relationship between cognitive performance and function in daily life after traumatic brain injury. *Journal of neurology, neurosurgery and psychiatry* 92 (4):407-417. doi: [10.1001/JAMANETWORKOPEN.2021.0994](https://doi.org/10.1001/JAMANETWORKOPEN.2021.0994)

Wiegers EJA, Lingsma HF, Huijben JA, Cooper DJ, Citerio G, Frisvold S, Helbok R, Maas AIR, Menon DK, Moore EM, ... **Vande Vyvere T**, ... van der Jagt M (2021). Fluid balance and outcome in critically ill patients with traumatic brain injury (CENTER-TBI and OzENTER-TBI): a prospective, multicentre, comparative effectiveness study. *The lancet neurology* 20 (8):627-638. doi: [10.1016/S1474-4422\(21\)00162-9](https://doi.org/10.1016/S1474-4422(21)00162-9)

van Veen E, van der Jagt M, Citerio G, Stocchetti N, Gommers D, Burdorf A, Menon DK, Maas AIR, Kompanje EJO, ... **Vande Vyvere T**, ... Lingsma HF (2021). Occurrence and timing of withdrawal of life-sustaining measures in traumatic brain injury patients: a CENTER-TBI study. *Intensive care medicine* 47 (10):1115-1129. doi: [10.1007/S00134-021-06484-1](https://doi.org/10.1007/S00134-021-06484-1)

Sewalt CA, Gravesteijn BY, Menon D, Lingsma HF, Maas AIR, Stocchetti N, Venema E, ... **Vande Vyvere T**, ... Lecky FE (2021). Primary versus early secondary referral to a specialized neurotrauma center in patients with moderate/severe traumatic brain injury: a CENTER TBI study. "Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine" 29 (1). doi: [10.1186/S13049-021-00930-1](https://doi.org/10.1186/S13049-021-00930-1)

Riemann L, Voormolen DC, Rauen K, Zweckberger K, Unterberg A, ... **Vande Vyvere T**, ... Younsi A (2021). Persistent postconcussive symptoms in children and adolescents with mild traumatic brain injury receiving initial head computed tomography. *Journal of neurosurgery: pediatrics* 27 (5):538-547. doi: [10.3171/2020.9.PEDS20421](https://doi.org/10.3171/2020.9.PEDS20421)

Richter S, Winzeck S, Kornaropoulos EN, Das T, **Vande Vyvere T**, Verheyden J, Williams GB, Correia MM, Menon DK, Newcombe VFJ (2021). Neuroanatomical substrates and symptoms associated with magnetic resonance imaging of patients with mild traumatic brain injury. *JAMA* (3). doi: [10.1001/JAMANETWORKOPEN.2021.0994](https://doi.org/10.1001/JAMANETWORKOPEN.2021.0994)

Huie JR, Mondello S, Lindsell CJ, Antiga L, Yuh EL, Zanier ER, Masson S, Rosario BL, ... **Vande Vyvere T**, ... Ferguson AR (2021). Biomarkers for traumatic brain injury: data standards and statistical considerations. *Journal of neurotrauma* 38 (18):2514-2529. doi: [10.1089/NEU.2019.6762](https://doi.org/10.1089/NEU.2019.6762)

Gravesteijn BY, Sewalt CA, Venema E, Nieboer D, ... **Vande Vyvere T**, ... Steyerberg EW (2021). Missing data in prediction research: a five-step approach for multiple imputation, illustrated in the CENTER-TBI study. *Journal of neurotrauma* 38 (13):1842-1857. doi: [10.1089/NEU.2020.7218](https://doi.org/10.1089/NEU.2020.7218)

Dijkland SA, Helmrich IRAR, Nieboer D, van der Jagt M, Dippel DWJ, Menon DK, Stocchetti N, Maas AIR, Lingsma HF, ... **Vande Vyvere T**, ... Steyerberg EW (2021). Outcome prediction after moderate and severe traumatic brain injury: external

validation of two established prognostic models in 1742 European patients. *Journal of neurotrauma* 38 (10):1377-1388. doi: [10.1089/NEU.2020.7300](https://doi.org/10.1089/NEU.2020.7300)

Citerio G, Robba C, Rebora P, Petrosino M, Rossi E, Malgeri L, Stocchetti N, Galimberti S, ... **Vande Vyvere T**, ... Menon DK (2021). Management of arterial partial pressure of carbon dioxide in the first week after traumatic brain injury: results from the CENTER-TBI study. *Intensive care medicine* 47 (9):961-973. doi: [10.1007/S00134-021-06470-7](https://doi.org/10.1007/S00134-021-06470-7)

Bohyn C, **Vande Vyvere T**, De Keyser F, Sima DM, Demaerel P (2021). Morphometric evaluation of traumatic axonal injury and the correlation with post-traumatic cerebral atrophy and functional outcome. *The Neuroradiology Journal*. doi: [10.1177/19714009211049714](https://doi.org/10.1177/19714009211049714)

Boehm JK, Gueting H, Thorn S, Schaefer N, Rambach V, Schoechl H, Grottke O, Rossaint R, Stanworth S, Curry N, ... **Vande Vyvere T**, ... Maegele M (2021). Global characterisation of coagulopathy in isolated traumatic brain injury (iTBI): a CENTER-TBI analysis. *Neurocritical care* 35 (1):184-196. doi: [10.1007/S12028-020-01151-7](https://doi.org/10.1007/S12028-020-01151-7)

Andelic N, Roe C, Brunborg C, Zeldovich M, Lovstad M, Loke D, Borgen IM, Voormolen DC, Howe EI, Forslund MV, ... **Vande Vyvere T**, ..., von Steinbuechel N (2021). Frequency of fatigue and its changes in the first 6 months after traumatic brain injury: results from the CENTER-TBI study. *Journal of neurology* 268 (1):61-73. doi: [10.1007/S00415-020-10022-2](https://doi.org/10.1007/S00415-020-10022-2)

Voormolen DC, Polinder S, von Steinbuechel N, Feng Y, Wilson L, Oppe M, ... **Vande Vyvere T**, ... Haagsma JA (2020). Health-related quality of life after traumatic brain injury: deriving value sets for the QOLIBRI-OS for Italy, The Netherlands and The United Kingdom. *Quality of life research* 29 (11):3095-3107. doi: [10.1007/S11136-020-02583-6](https://doi.org/10.1007/S11136-020-02583-6)

Vande Vyvere T, De La Rosa E, Wilms G, Nieboer D, Steyerberg E, Maas AIR, Verheyden J, Van den Hauwe L, Parizel PM, Investigators C-TP (2020). Prognostic validation of the NINDS common data elements for the radiologic reporting of acute traumatic brain injuries: A CENTER-TBI Study. *Journal of neurotrauma* 37 (11):1-14. doi: [10.1089/NEU.2019.6710](https://doi.org/10.1089/NEU.2019.6710)

van Wijk RPJ, van Dijck JTJM, Timmers M, van Veen E, Citerio G, Lingsma HF, Maas AIR, Menon DK, Peul WC, ... **Vande Vyvere T**, ..., Zoerle T (2020). Informed consent procedures in patients with an acute inability to provide informed consent: policy and practice in the CENTER-TBI study. *Journal of critical care* 59:6-15. doi: [10.1016/J.JCRC.2020.05.004](https://doi.org/10.1016/J.JCRC.2020.05.004)

Timmers M, van Dijck JTJM, van Wijk RPJ, Legrand V, van Veen E, Maas AIR, Menon DK, Citerio G, Stocchetti N, ... **Vande Vyvere T**, ...Kompanje EJO (2020). How do 66 European institutional review boards approve one protocol for an international prospective observational study on traumatic brain injury? Experiences from the CENTER-TBI study. *BMC medical ethics* 21 (1). doi: [10.1186/S12910-020-00480-8](https://doi.org/10.1186/S12910-020-00480-8)

Mikolic A, van Klaveren D, Oude Groeniger J, Wiegers EJA, Lingsma HF, Zeldovich M, von Steinbuechel N, Maas AIR, Roeters van Lennep JE, ... **Vande Vyvere T**, ... Polinder S (2020). Differences between men and women in treatment and outcome after traumatic brain injury. *Journal of neurotrauma* 38 (2):235-251. doi: [10.1089/NEU.2020.7228](https://doi.org/10.1089/NEU.2020.7228)

Mikolic A, Polinder S, Steyerberg EW, Retel Helmrich IRA, Giacino JT, Maas AIR, van der Naalt J, Voormolen DC, ... **Vande Vyvere T**, ... van Klaveren D (2020). Prediction of global functional outcome and post-concussive symptoms after mild traumatic brain injury: external validation of prognostic models in the Collaborative European NeuroTrauma Effectiveness Research in Traumatic Brain Injury (CENTER-TBI) study. *Journal of neurotrauma* 38 (2):196-209. <https://doi.org/10.1089/NEU.2020.7074>

Mathieu F, Gueting H, Gravesteijn B, Monteiro M, Glocker B, Kornaropoulos EN, Kamnistas K, Robertson CS, Levin H, ... **Vande Vyvere T**, ... Menon DK (2020). Impact of antithrombotic agents on radiological lesion progression in acute traumatic brain injury: a CENTER-TBI propensity-matched cohort analysis. *Journal of neurotrauma* 37 (19):2069-2080. doi: doi.org/10.1089/NEU.2019.6911

Jacob L, Cogne M, Tenovuo O, Roe C, Andelic N, Majdan M, Ranta J, Ylen P, Dawes H, ... **Vande Vyvere T**, ... Azouvi P (2020). Predictors of access to rehabilitation in the year following traumatic brain injury: a European prospective and multicenter study. *Neurorehabilitation and neural repair* 34 (9):814-830. doi: [10.1177/1545968320946038](https://doi.org/10.1177/1545968320946038)

Gravesteijn BY, Sewalt CA, Nieboer D, Menon DK, Maas A, Lecky F, Klimek M, ... **Vande Vyvere T**, ... Lingsma HF (2020). Tracheal intubation in traumatic brain injury: a multicentre prospective observational study. *British journal of anaesthesia* 125 (4):505-517. doi: [10.1016/J.BJA.2020.05.067](https://doi.org/10.1016/J.BJA.2020.05.067)

Gravesteijn BY, Sewalt CA, Ercole A, Akerlund C, Nelson D, Maas AIR, Menon D, Lingsma HF, ... **Vande Vyvere T**, ... Steyerberg EW (2020). Toward a new Multi-dimensional classification of traumatic brain injury: a collaborative European NeuroTrauma effectiveness research for traumatic brain injury study. *Journal of neurotrauma* 37 (7):1002-1010. doi: [10.1089/NEU.2019.6764](https://doi.org/10.1089/NEU.2019.6764)

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Feng J, van Veen E, Yang C, Huijben JA, Lingsma HF, Gao G, Jiang J, ... **Vande Vyvere T**, ... Maas AIR (2020). Comparison of care system and treatment approaches for patients with traumatic brain injury in China versus Europe: A CENTER-TBI survey study. *Journal of neurotrauma* 37 (16):1-12. doi: [10.1089/NEU.2019.6900](https://doi.org/10.1089/NEU.2019.6900)

Czeiter E, Amrein K, Gravesteijn BY, Lecky F, Menon DK, Mondello S, Newcombe VFJ, Richter S, Steyerberg EW, **Vande Vyvere T**, ... Buki A (2020). Blood biomarkers on admission in acute traumatic brain injury: Relations to severity, CT findings and care path in the CENTER-TBI study. *EBioMedicine* 56. doi: [10.1016/J.EBIOM.2020.102785](https://doi.org/10.1016/J.EBIOM.2020.102785)

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van Essen TA, de Boogert HF, Cnossen MC, de Ruiter GCW, Haitsma I, Polinder S, Steyerberg EW, Menon D, Maas AIR, ... **Vande Vyvere T**, ... Zumbo F (2019). Variation in neurosurgical management of traumatic brain injury : a survey in 68 centers participating in the CENTER-TBI study. *Acta neurochirurgica* 161 (3):435-449. doi: [10.1007/S00701-018-3761-Z](https://doi.org/10.1007/S00701-018-3761-Z)

Steyerberg EW, Wieggers E, Sewalt C, Buki A, Citerio G, De Keyser V, Ercole A, Kunzmann K, Lanyon L, Lecky F, Lingsma H, Manley G, Nelson D, Peul W, Stocchetti N, von Steinbuechel N, **Vande Vyvere T**, Verheyden J, Wilson L, Maas AIR, Menon DK, Investigators C-TP (2019). Case-mix, care pathways, and outcomes in patients with traumatic brain injury in CENTER-TBI: a European prospective, multicentre, longitudinal, cohort study. *The lancet neurology* 18 (10):923-934. doi: [10.1016/S1474-4422\(19\)30232-7](https://doi.org/10.1016/S1474-4422(19)30232-7)

Jain S, **Vande Vyvere T**, Terzopoulos V, Sima DM, Roura E, Maas A, Wilms G, Verheyden J (2019) Automatic quantification of computed tomography features in acute traumatic brain injury. *Journal of neurotrauma* 36 (11):1794-1803. doi: [10.1089/NEU.2018.6183](https://doi.org/10.1089/NEU.2018.6183)

van Veen E, van der Jagt M, Cnossen MC, Maas AIR, de Beaufort ID, Menon DK, ... **Vande Vyvere T**, ... Kompanje EJO (2018). Brain death and postmortem organ donation: report of a questionnaire from the CENTER-TBI study. *Critical care* 22. doi: [10.1186/S13054-018-2241-4](https://doi.org/10.1186/S13054-018-2241-4)

Huijben JA, Volovici V, Cnossen MC, Haitsma IK, Stocchetti N, Maas AIR, ... **Vande Vyvere T**, ... van der Jagt M (2018). Variation in general supportive and preventive intensive care management of traumatic brain injury: a survey in 66 neurotrauma centers participating in the Collaborative European NeuroTrauma Effectiveness Research in Traumatic Brain Injury (CENTER-TBI) study. *Critical care* 22. doi: [10.1186/S13054-018-2000-6](https://doi.org/10.1186/S13054-018-2000-6)

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van den Heuvel TLA, van der Eerden AW, Manniesing R, Ghafoorian M, Tan T, Andriessen TMJC, **Vande Vyvere T**, Van den Hauwe L, ter Haar Romeny BM, Goraj BM, Platel B (2016). Automated detection of cerebral microbleeds in patients with traumatic brain injury. *NeuroImage: Clinical* 12:241-251. doi: [10.1016/J.NICL.2016.07.002](https://doi.org/10.1016/J.NICL.2016.07.002)

INVITED BOOK CHAPTERS/SECTIONS

Vande Vyvere T, Gadeyne S, Baumans R. Anatomie en fysiologie van het zenuwstelsel. *Brein en Zorg* (2026). Dé verpleegkundige uitdaging. Acco.

Depreitere B, **Vande Vyvere T**. Neurotrauma. *Brein en Zorg* (2026). Dé verpleegkundige uitdaging. Acco.

Parizel PM, **Vande Vyvere T**. 'Traumatic Brain Injury', in O. Brook, W. Sommer (2019). *Traumatic Brain Injury*, in Structured reporting handbook in Radiology: Disease-specific templates and implementation manual. Thieme.

Dekeyzer S, van den Hauwe L, **Vande Vyvere T**, Parizel PM (2019). *Traumatic Brain Injury: Imaging Strategy*, in *Clinical Neuroradiology*. Springer.

PRESENTATIONS

Invited Speaker, Department of Acute Brain and Cardiovascular Injury, Mario Negri Institute (2026). Topic: From Qualitative to Quantitative Radiological Reporting in TBI Research, Milan (Italy).

Invited Speaker, Australian and New Zealand Society of Neuroradiology Annual Scientific Meeting (2025). Topic: Use of Common Data Elements and Artificial Intelligence on Brain CT Scans from the CENTER-TBI Study, Perth (Australia).

Oral Presentation, Bench meets Bedside: A scientific networking event in translational neuroscience (2024). Topic: Imaging Findings in Acute TBI, University of Antwerp (Belgium).

Oral Presentation, International NeuroTrauma Society Meeting (2024). Topic: Imaging Findings in Acute TBI: a NINDS Common Data-Element Based Appraisal and Analysis of over 4000 Admission Brain CT Scans from the CENTER-TBI Study, University of Cambridge (UK).

Invited Speaker, Nordic Neurotrauma Conference (2019). Topic: Do radiologists agree? interpretation of NCCT images in CENTER-TBI, Lund (Sweden).

Invited Speaker, European Congress of Radiology (2017). Topic: Structured reporting of traumatic brain injury lesions: introducing common data elements, Austria Center Vienna, Bruno-Kreisky-Platz 1, 1220 Vienna (Austria).

ABSTRACTS/POSTERS

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