

**Huidige werkzaamheden**

Orthopedisch chirurg, Maastricht Universitair Medisch Centrum (MUMC+), 2025-heden

- Startdatum: 1-1-2025, 1.0 FTE
- Aandachtsgebieden: Heupchirurgie, Infectiebehandeling, bekken- en acetabulumfracturen, algemene traumatologie
- Nevenfuncties: Calamiteitenfunctionaris MUMC+

**Opleidingen/fellowships:**

Fellowship Heup- en Bekkenchirurgie UZ Leuven, Leuven België (1-7-2024 – 31-12-2024)

NVOT Travelling fellowship: Trauma fellowship – Pelvic & Lower extremity – Royal Infirmary of Edinburgh, Edinburgh Schotland (14-8-2023 – 28-8-2023)

VOCA Travelling fellowship: Orthopaedic Infections: FRI & PJI - UZ Leuven/Charité Berlin, Pro-Implant Foundation 2022

Opleiding Orthopedie: ROGO Zuid

- Maastricht Universitair Medisch Centrum (MUMC+) 2021 – 2022 & 2023-2024
- Zuyderland Medisch Centrum Sittard & Heerlen , 2022 – 2023
- Viecuri Medisch Centrum Venlo, 2018 – 2020 (Vooropleiding algemene chirurgie)

Masteropleiding: Arts-Klinisch Onderzoeker (A-KO), Maastricht University (2012 – 2016)

Bacheloropleiding: Technische Geneeskunde, Universiteit Twente, Enschede (2007 – 2012)

## **Wetenschappelijke Publicaties en voordrachten**

T.A.G. Van Vugt, J. Heidotting, J.J. Arts, J.J.W. Ploegmakers, P.C. Jutte, J.A.P. Geurts "Mid-term clinical results of chronic cavitary long-bone osteomyelitis treatment using S53P4 bioactive glass: A multi-center study" JBJI 2021, 6, 413-421

T.A.G. van Vugt, J.J. Arts, G.H.I.M. Walenkamp, J. Geurts, "Biofilms and antibiotic-loaded PMMA beads and spacers in periprosthetic joint infections and chronic osteomyelitis" Front. Microbiol. 10:1626. doi: 10.3389/fmicb.2019.01626

T.A.G. van Vugt, J.A.P. Geurts, T.J. Blokhuis, "Treatment of infected tibial non-unions using a BMAC and S53P4 BAG combination for reconstruction of segmental bone defects: A clinical case series" Injury 52S2 (2021) S67–S71

T.A.G. van Vugt, J.M.B. Walraven, J. Geurts and J. Arts, "Clinical efficacy of antibiotic-releasing collagen fleeces in treatment of chronic osteomyelitis: a systematic review" J Bone Joint Surg Am. 2018;100:2153-61 d doi 10.2106/JBJS.17.01140

T. A. G. van Vugt, J. Geurts, and J. J. Arts, "Clinical Application of Antimicrobial Bone Graft Substitute in Osteomyelitis Treatment: A Systematic Review of Different Bone Graft Substitutes Available in Clinical Treatment of Osteomyelitis," BioMed Research International, vol. 2016, Article ID 6984656, 9 pages, 2016. doi:10.1155/2016/6984656

T.A.G. van Vugt, J. Geurts and N. Lindfors "Chapter 3 – Biomaterials in Treatment of Orthopaedic Infection" Management of Periprosthetic Joint Infections (PJIs), ISBN: 978-0-08-100205-6J.

Geurts, T.A.G. van Vugt, J.J. Arts, "Use of contemporary biomaterials in chronic osteomyelitis treatment: Clinical lessons learned and literature review" Journal of Orthopaedic Research 2021, 39, 258-264, doi:10.1002/jor.24896

J. Geurts, T.A.G. van Vugt, S. Evers, J.J. Arts, L.W. van Rhijn, "Cost-effectiveness of Chronic Osteomyelitis treatment: Comparison of a novel S53P4 bioactive glass versus traditional two-stage surgery combined with local antibiotic treatment" Materials 2019, 12, 3209; doi:10.3390/ma12193209

Cost-effectiveness of Chronic Osteomyelitis treatment: Comparison of a novel S53P4 bioactive glass versus traditional two-stage surgery combine with local antibiotic treatment, Congress of the Orthopedic Research Society, New Orleans USA 2018

Clinical application of S53P4 bioactive glass in treatment of patients with chronic osteomyelitis; Congress of the European Board of Joint & Infection Society, Oxford UK 2016

Clinical application of S53P4 bioactive glass in treatment of patients with chronic osteomyelitis; Congress of the European Orthopedic Research Society, Bologna Italy 2016