

COVER
Story

DR. GEORGIOS MATIS

A Visionary Leader in Neuromodulation

Dr. Georgios Matis

Senior Consultant for Neurosurgery
University Cologne Hospital, Germany



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A Visionary Leader in Neuromodulation

Dr. Georgios Matis is a distinguished neuromodulation expert and a trailblazer in functional neurosurgery.

With an illustrious career marked by academic excellence, clinical expertise, and innovative breakthroughs, Dr. Matis has dedicated himself to transforming lives through advanced medical science.

His work at the forefront of neuromodulation therapies has made him a global figure of inspiration and leadership.



Dr. Matis envisions **Uniklinik Köln** as a global center of excellence in neuromodulation. His goals include advancing research collaborations with medical device companies and academic institutions to explore new frontiers in pain management

A Strong Academic and Professional Foundation

Dr. Matis embarked on his medical journey at Aristotle University of Thessaloniki in Greece, where he earned his medical degree.

His passion for improving healthcare systems led him to pursue a Master's in Health Services Management at the Hellenic Open University in Patra. To further his academic rigor, he completed a PhD at the Democritus University of Thrace in Alexandroupolis.

His clinical expertise was honed through training at prestigious institutions such as the General Hospital of Polygyros, University Hospital of Alexandroupolis, and G. Papanikolaou General Hospital in Thessaloniki.

A pivotal chapter of his career unfolded at the Skull Base Laboratory in the Department of Neurosurgery at Weill Cornell Medical College, New York, where he undertook a fellowship.

He further enriched his research capabilities during a scholarship in the Department of Neuroradiology at the University Hospital of Zurich, focusing on endovascular treatments for aneurysms and arteriovenous malformations.

Currently, Dr. Matis serves at Uniklinik Köln (University Hospital Cologne), advancing the boundaries of neuromodulation research and practice.

Leadership in Neuromodulation at Uniklinik Köln

As the Head of the Pain and Spasticity Section in the Department of Stereotactic and Functional Neurosurgery, Dr. Matis has redefined patient care through neuromodulation therapies.

His clinical focus includes spinal cord stimulation, deep brain stimulation, and intrathecal drug delivery systems. By tailoring these treatments to individual patient needs, Dr. Matis ensures that each therapy aligns with the patient's aspirations and quality of life goals.

Beyond his clinical endeavors, Dr. Matis is a mentor and educator, training emerging neurosurgeons and fostering a culture of excellence within his team. He collaborates with referring physicians across Germany and beyond, building networks to provide patients



access to cutting-edge neuromodulation therapies. His contributions to clinical research and international conferences underscore his commitment to advancing the field, sharing insights, and developing innovative approaches to pain management.

Overcoming Challenges and Leading Change

Dr. Matis's leadership skills were exemplified when introducing a revolutionary neuromodulation technology at Uniklinik Köln. Recognizing the challenges of adopting new methodologies, he prioritized team engagement through workshops and hands-on training sessions.

By fostering open communication and involving the team in strategic planning, Dr. Matis ensured a seamless integration of the technology. This initiative not only improved patient outcomes but also strengthened the team's adaptability and collaboration, showcasing his exceptional leadership.

Staying Ahead in a Rapidly Evolving Field

To remain at the cutting edge of neuromodulation, Dr. Matis

actively participates in global conferences, workshops, and collaborative research projects.

By integrating emerging technologies and techniques, he continually refines his clinical practice. His patient-centric approach—listening to feedback and adapting therapies—ensures that care remains aligned with evolving patient needs.

Building strong relationships with referring physicians and industry partners, Dr. Matis has expanded access to advanced therapies, reinforcing Uniklinik Köln's reputation as a leader in neuromodulation.

His efforts have made the institution a hub for innovative pain management solutions and a beacon of hope for patients worldwide.

Promoting Diversity and Inclusion

Dr. Matis understands the importance of fostering an inclusive and diverse work environment. At Uniklinik Köln, he emphasizes open communication and equity, ensuring all team members feel





valued and empowered.

His mentorship extends to individuals from diverse backgrounds, promoting a culture that respects and addresses the unique needs of a varied patient population.

Lessons from the COVID-19 Era

The COVID-19 pandemic brought unprecedented challenges to healthcare.

Dr. Matis leveraged telemedicine and remote monitoring to provide uninterrupted care for patients with implanted neuromodulation devices.

By enabling remote device adjustments and consultations, he minimized patients' exposure to risk while maintaining high-quality care.

These experiences reinforced his commitment to patient-centered, innovative, and resilient care delivery models.

A Vision for the Future

Dr. Matis envisions Uniklinik Köln as a global center of excellence in neuromodulation.

His goals include advancing research collaborations with medical device companies and

academic institutions to explore new frontiers in pain management.

Personally, he remains driven by a mission to improve the lives of chronic pain patients, restoring their dignity and hope through transformative therapies.

Mentoring the next generation of neurosurgeons is central to his vision.

By instilling values of innovation, compassion, and excellence, Dr. Matis aims to leave a legacy that shapes the future of neuromodulation.

Conclusion

Dr. Georgios Matis's career is a testament to his unwavering dedication to medical innovation and patient care.

As a leader in neuromodulation, he has not only transformed countless lives but also set new benchmarks for the field.

Through his relentless pursuit of excellence, Dr. Matis continues to inspire colleagues, patients, and the global medical community, paving the way for a brighter future in functional neurosurgery.