



TAKING IMPLEMENTATION SCIENCE FORWARD: A SHARED RESPONSIBILITY

Prof. Guid Oei, Obstetrician Gynaecologist, Founder of the Fundamental Perinatology Research Group, Máxima Medical Center - Eindhoven University of Technology

As this e/MTIC Fundamental Perinatology Conference in Lambrey dedicated to implementation science concludes, we reflect on the myriad insights, challenges, and novel ideas discussed. Special thanks to Nadine de Klerk for her excellent chairmanship and to Beatrijs van der Hout for her meticulous note-taking throughout the presentations, which significantly contributed to the development of this book's chapters.

Each chapter has imparted valuable lessons:

- + The collaborative work of the multidisciplinary PhD team exemplified the synergy between medicine and engineering, underscoring the importance of cross-disciplinary collaboration in research and practical application.
- + Susan Hommerson, a policy officer for medical devices, highlighted the ethical dilemmas in rapidly

transitioning clinical device concepts into tangible products, emphasizing the need for careful navigation of these challenges.

- + Medical professionals Anne van Tetering, Kirsten Thijssen, and Ella de Vries illuminated how implementation science can elevate healthcare, particularly in resource-constrained environments, offering hopeful and actionable strategies.
- + Will Ickenroth, CEO of a healthcare technology company, shared candid experiences about the challenges and triumphs of implementing new ideas in hospital settings.
- + Obstetrician Loes Monen and engineer Pascalie Wijntjes advocated for simplifying the application of research findings in real-world healthcare, ensuring that innovations reach those in need.
- + Insurer Dr. Hans Kuijpers examined the broader impact of implementa-



- + Statistician Professor Edwin van de Heuvel discussed research-supported tools and methods and their potential to revolutionize clinical practices.

- + Professor Carola van Pul, a clinical physicist, provided insights into the integration of medical devices, highlighting both the possibilities and challenges.
- + Obstetrician Dr. Bas van Rijn and midwife Hilde Perdok underscored

the importance of addressing the difficulties in translating evidence-based practices into healthcare applications.

Collectively, these chapters underscore the transformative potential of implementation science. They call for the adoption of evidence-based methods in healthcare and beyond. As we conclude, let us carry forward these lessons to enhance healthcare and improve patient care.

We hope the insights shared in this book will inspire and guide your endeavors in implementation science.