

On Launching a New Journal ‘*Progress in Medical Devices*’ for Innovation

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Published June 30, 2023

Recent years have witnessed unprecedented advances in medical device industry. New technologies, such as 3D printing, organ-on-a-chip, and surgical robots, have emerged and iterated constantly. Innovation is the cornerstone in the development of medicine. Though we still need robust clinical data to evaluate the safety and effectiveness of these new technologies, we never stop our pursuit of more effective technologies and devices with a cautious attitude. With these intentions, we are pleased to introduce this new quarterly journal, *Progress in Medical Devices*.

Focusing on innovation in the medical device industry, we hope to share edge-cutting information in this field, improve the clinical transformation rate through high-level scientific research, and shed some light on decision-making regarding the selection of medical devices, to ultimately reduce the surgery complexity, lower the healthcare cost, and ameliorate surgical suffering.

Our journal is dedicated to the rapid publication of articles about various apparatus, machines, implants, software systems and in vitro reagents, as well as medical device design and manufactur-

ing processes. Research studies, reviews, brief communications, perspectives, comments, etc. are all welcomed.

This inaugural issue of *Progress in Medical Devices* attaches great importance to the latest progress of some highly-concerned medical devices and techniques. The issue unveils the design optimization of electrodes for radiofrequency induced colonic anastomosis, the progress on Kirschner wire insertion technique for patellar fracture, electromagnetic induction detection techniques for craniocerebral injury, advances of control technology of lower extremity exoskeleton rehabilitation robot on surface electromyography and blood cell counting based on microfluidics, and methods for tolerance enhancement in patients undergoing gastrointestinal endoscopic examination.

The insistence on innovation with a cautious attitude has taken us far in the exploration of medical devices. We welcome like-minded experts to join us and appreciate contributions from researchers all over the world.



Editor-in-Chief of Progress in Medical Devices

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Professor Cui is the Vice President of the School of Health Science and Engineering at the University of Shanghai for Science and Technology and Deputy Director of the Shanghai Engineering Technology Research Center for High-Performance Medical Device Materials.

Cui has been engaged in the design and development of medical devices for a long time. As the project leader, he has presided over 7 national and provincial level projects and nearly 20 enterprise horizontal projects. Additionally, he has published more than 80 papers in core journals all over the world. He was awarded the Third Prize of Shanghai Scientific and Technological Progress Award (2015), and the Second Prize of Technological Invention Award of China Machinery Industry Federation (2015).