CLINICAL PLASMA MEDICINE

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DESCRIPTION

Clinical Plasma Medicine

Clinical Plasma Medicine understands plasma medicine as clinical use of physical plasma for therapeutic purposes.

Plasma medicine is an innovative and emerging research field combining plasma physics, life science and clinical medicine.

After recent start of clinical application of cold atmospheric plasma based on significant efforts and success in basic research, clinical relevance of plasma medicine is becoming increasingly clear. To support the understanding of the huge potential of plasma medicine and to strengthen interdisciplinary cooperation in this field is the major aim of this journal. Clinical Plasma Medicine will provide a platform for therapeutic, experimental and technical aspects of plasma application in medicine. It will connect principle researchers, medical researchers and clinicians as well as members of other medical professions and health care organisations, who seek objective and critical information on plasma medicine in order to deepen their understanding of therapeutic options, medical application fields, requirements concerning plasma-based medical devices as well as aspects of safety and applicability.

To achieve these aims Clinical Plasma Medicine is designed as international and interdisciplinary forum for researchers and clinicians. It publishes peer-reviewed articles on therapeutic plasma applications for specific medical indications, general aspects of clinical plasma medicine, laboratory research with clear reference to clinical questions as well as technical aspects of applicability and safety of plasma use in clinical practise.

Especially, clinical and experimental studies in all medical domains as for example wound treatment, cancer treatment, dermatology, and dentistry are welcome but also in vitro studies on microorganisms and mammalian cells which investigate biological effects of cold atmospheric plasmas with regard to specific aspects of its potential medical application as well as to safety aspects of medical plasma applications.
Clinical Plasma Medicine focuses primarily on original research articles including (short) reviews, randomized controlled studies, other clinical, observational and epidemiological studies as well as experimental studies. In addition, the Journal will feature opinion articles as well as contributions relating to health policy, health economics and technical aspects of plasma-based medical devices.

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INTRODUCTION

Clinical Plasma Medicine understands plasma medicine as clinical use of physical plasma for therapeutic purposes. Plasma medicine is an innovative and emerging research field combining plasma physics, life science and clinical medicine. After significant efforts and success in basic research in this field as well as the realization of first clinical trials during the last years, clinical relevance of plasma medicine is becoming increasingly clear.

To support the understanding of the huge potential of plasma medicine and to strengthen interdisciplinary cooperation in this field is the major aim of this journal. Clinical Plasma Medicine will provide a platform for therapeutic, experimental and technical aspects of plasma application in medicine. It will connect medical researchers and clinicians as well as members of other medical professions and health care organisations, who seek objective and critical information on plasma medicine in order to deepen their understanding of therapeautic options, medical application fields, requirements concerning plasma-based medical devices as well as aspects of safety and applicability.

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