

Special Issue

Vaccine Efficacy and Safety in People with Kidney Diseases/Kidney Transplant Recipients

Message from the Guest Editor

The COVID-19 pandemic unmasked the impact of extrinsic immunosuppression, as in kidney transplant recipients, or intrinsic immunosuppression, as in ESRD patients with chronic inflammation and immune senescence with exceptionally high lethality. Immunocompromised cohorts with kidney diseases have a significantly impaired SARS-CoV-2 vaccine response compared with healthy subjects, even to new mRNA vaccines. With the upcoming different Omicron variants characterized by immune escape, novel vaccination strategies, including adapted mRNA vaccines against epitopes of emerging variants, are needed to protect high-risk individuals. However, further research is needed to fully understand the efficacy and safety of these bivalent vaccines against emerging variants. This Special Issue specifically welcomes (1) the submission of manuscripts that address efficacy, immunogenicity, and long-term immune response after bivalent COVID-19 vaccination, and (2) studies of non-COVID-19 vaccines that examine humoral and cellular immunity to various vaccines in immunocompromised individuals with kidney disease.

Guest Editor

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Deadline for manuscript submissions

closed (31 January 2025)



Vaccines

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 7.7
Indexed in PubMed



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About the Journal

Message from the Editor-in-Chief

Vaccines (ISSN 2076-393X), founded in 2013, now has a firm history of publishing peer-reviewed, state-of-the-art research papers on vaccines and vaccination in the broadest sense. Areas covered include, but are not limited to, novel and emerging vaccine technologies, building on in-depth knowledge of what constitutes a protective immune response. These can be new vaccines for old diseases, or old vaccines for new diseases. Vaccines against cancer and autoimmune diseases explicitly are also within the scope of the journal. Because public opinion and even government policies towards vaccines and vaccination have changed, vaccine policy and public health issues are major concerns. Climate change will also have an impact on the spread of infectious diseases, and thus also on vaccine and vaccination policies worldwide.

Editor-in-Chief

Prof. Dr. Ger Rijkers

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