

Topical Collection

Myelodysplastic Syndromes: From Inflammatory to Therapeutic Approaches

Message from the Collection Editor

Impaired function of immune cells and aberrant inflammatory response of the immune system is frequently observed for patients with MDS and CMML. Increased secretion of inflammatory cytokines, including tumor necrosis factor-(TNF) and interferon (IF), contributes to cell death of myeloid precursor cells and triggers transformation to AML. Autoimmune disorders (AD) observed for MDS and CMML patients include vasculitis, seronegative polyarthritis, relapsing polychondritis, or neutrophilic dermatosis. In a subset of patients, cytopenias are the consequence of autoreactive cytotoxic T cells and respond to immunosuppressive treatment (IST). Interestingly, despite IST, other drugs are of interest by treating MDS and CMML-associated AD and inflammatory response as the hypomethylating agent azacytidine improves cytopenias, delays disease progression, and controls AD by sparing corticosteroids and other immunosuppressive drugs. The immunomodulatory drug lenalidomide improves anemia in specific subtypes of MDS and inhibitors of the JAK-STAT pathway should be evaluated for the treatment of selected MDS and CMML patients.

Collection Editor

Prof. Dr. Thorsten Braun

Department of Hematology, Avicenne Hospital, Assistance Publique-Hôpitaux de Paris, Bobigny, France



Journal of Clinical Medicine

an Open Access Journal
by MDPI

Impact Factor 2.9
CiteScore 5.2
Indexed in PubMed



mdpi.com/si/36274

Journal of Clinical Medicine
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
jcm@mdpi.com

mdpi.com/journal/

jcm





Journal of Clinical Medicine

an Open Access Journal
by MDPI

Impact Factor 2.9
CiteScore 5.2
Indexed in PubMed



[mdpi.com/journal/
jcm](https://mdpi.com/journal/jcm)



About the Journal

Message from the Editorial Board

There has been an explosion of gene and target based research and therapeutics in the multitude of fields that compose clinical medicine. The *Journal of Clinical Medicine's* (JCM) staff and editorial board are dedicated to providing cutting edge, timely, and peer-reviewed articles covering the diverse subspecialties of clinical medicine. The journal publishes concise, innovative, and exciting research articles as well as clinically significant articles and reviews that are pertinent to the myriad of disciplines within medicine. The articles published are relevant to both primary care physicians and specialists. The journal's full-texts are archived in PubMed Central and indexed in PubMed. Please consider submitting your manuscripts for publication to our journal and check us out on-line!

Editors-in-Chief

Prof. Dr. Emmanuel Andr  s

Internal Medicine Department, University Hospital Strasbourg, 67081
Strasbourg, France

Prof. Dr. Kent Doi

Department of Emergency and Critical Care Medicine, The University of
Tokyo, Tokyo, Japan

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Medicine, General and Internal) / CiteScore - Q1
(General Medicine)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.7 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).