



- [Home](#)
- [Ultimo fascicolo](#)
- [Casi clinici](#)
- [Ahead of print](#)
- [Archivio volumi](#)
- [Sottometti un articolo](#)
- [Norme Autori](#)
- [Cerca](#)

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Crioproteinemia: nuove frontiere per i clinici e il laboratorio

Cryoproteinemia: new frontiers for clinicians and the laboratory

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ABSTRACT

Cryoproteinemia: new frontiers for clinicians and the laboratory

Cryoproteinaemia is characterised by the presence of detectable proteins in both serum and plasma that precipitate at 4°C and dissolve at 37°C. Cryoglobulins are constituted by immunoglobulins and are detectable in both serum and plasma, whereas cryofibrinogen is detectable only in plasma. The importance of studying cryoproteinemia was the main theme of the meeting held in Modena in March 2023, entitled: Cryoglobulinemia. Laboratory and clinic, a fruitful collaboration for the correct management of a rare pathology – 4th edition, organised by the Italian Society of Clinical Biochemistry and Molecular Biology (SIBioC) and the Italian Association for the fight against Cryoglobulinaemia (ALCRI). The aim of this conference is to promote a dialogue between clinicians and laboratory professionals, highlighting the information that the clinician expects from the laboratory and the critical points that the laboratory faces when performing a test that is still predominantly performed manually. During the meeting, data from three laboratories were presented and compared, and a group of clinicians who deal with cryoproteinemia in different medical fields – rheumatologists, nephrologists, haematologists, and neurologists – contributed their experience in treating patients with cryoproteinemia. The collaboration between laboratory and clinic and the respective scientific societies (SIBioC and ALCRI) have made possible to draw a common line to guide both entities in their daily activity. The road seems long and complex, but a common system is emerging from this interaction, the fruits from which patient will benefit.

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