



Clinical Advances in the Diagnosis and Management of Joint Infections

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Message from the Guest Editor

As a main and devastating complication of arthroplasty, periprosthetic joint infection (PJI) is a major burden for the healthcare system, and accurate diagnosis is the starting point for effective treatment. However, the diagnosis of PJI can be difficult, and current diagnostic tests suffer problems with accuracy and the interpretation of results. In recent years, many new tests and techniques have been proposed and applied in clinical practice, but there is no consensus on the place of many of these in diagnostic pathways. This Special Issue aims to introduce the advances of clinical tests or techniques in PJI diagnosis and management, including (but not limited to) the following topics:

- New biomarkers in the diagnosis of PJI;
- New molecular biology techniques in the diagnosis of PJI;
- New imaging techniques in the diagnosis of PJI;
- New diagnosis algorithm based on available tests or techniques;
- The role of machine learning or artificial intelligence in the diagnosis of PJI;
- The role of biofilm in the diagnosis and management of PJI;
- The advances and clinical results of stage I or II revision of PJI;
- New target therapy for PJI.





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