

## AI, Gynecological Cancer Prevention and Disease Burden

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Dear Colleagues,

Since the 20th century, cancer has become one of the major diseases that threaten the health of Chinese residents, among which gynecological tumor is a malignant tumor with high clinical morbidity and mortality, and easy postoperative recurrence. The pathogenesis of gynecological tumors is complex and the potential risk factors are difficult to control, which makes the prevention of gynecological tumors difficult. Traditional gynecological tumor diagnosis methods: using cell morphology and histopathology, but usually cannot meet the clinical requirements of early diagnosis and early treatment. In the era of economic globalization and the gradual popularization of artificial intelligence around the world, the combination of medical science and engineering is very necessary. The medical industry is developing towards more accurate prevention and diagnosis based on big data, cloud computing and artificial intelligence.

This special issue will mainly receive artificial intelligence, big data methods, computing methods, and the application of intelligent models in gynecological tumors, followed by gynecological tumor prevention and disease burden content, mainly manuscripts in the direction of medical-engineering integration, followed by gynecological tumors and diseases Manuscripts that have made outstanding contributions in the field of burden will be accepted and integrated for the manuscripts on the theme of this special issue, so as to contribute to the rehabilitation treatment and prevention of gynecological cancer patients. This special issue will provide a reference for the research of researchers, and at the same time provide an effective auxiliary reference for medical staff in the treatment of gynecological tumor patients.

This special issue welcomes contributions from relevant medical personnel, gynecological oncology researchers, artificial intelligence researchers, etc. This special issue can accept papers combining medicine and engineering, but the topic is limited to the scope of gynecological oncology. It is hoped that researchers and medical staff can contribute to this special issue. Contribute to the further diagnosis and treatment of gynecological tumors and the rehabilitation of patients.

**Key Words:** Intelligent Diagnosis; Gynecological Tumor Prevention; Gynecological Oncology Treatment; Burden of Disease; AI-Assisted Therapy

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