

Lecture Abstract

Event: Fertility preservation in PAG

Date: August 4, 2022

Time: (HKT)

Format: Zoom Webinar

Moderators: Dr. CHAN Shing Chee, Symphorosa (Chief of Service, Consultant, Honorary Clinical Associate Professor, Department of Obstetrics and Gynaecology, The University of Hong Kong) and Dr. CHEUNG Sze Yan, Charlleen (Associate Consultant, Department of Obstetrics and Gynaecology, Prince of Wales Hospital, Hong Kong)

This FOCUS Webinar Series session delves into the specialized field of adolescent gynaecology, with a particular emphasis on fertility preservation—a topic of growing importance as advancements in oncofertility and genetic medicine offer new possibilities for young patients facing threats to their reproductive potential. This event brings together a distinguished panel of experts from The Chinese University of Hong Kong, The University of Hong Kong, and Queen Mary Hospital to explore the clinical, ethical, and practical dimensions of fertility preservation in adolescent populations.

The program is structured around a case-based format, designed to bridge clinical presentation with evidence-based management strategies, and to foster interdisciplinary dialogue among obstetricians, gynaecologists, paediatricians, and allied healthcare professionals.

Case Presentation: Fertility Preservation in Turner Syndrome

Dr. IP Nga Ping, Patricia

Resident, Honorary Clinical Tutor

Department of Obstetrics and Gynaecology

The Chinese University of Hong Kong, Prince of Wales Hospital

Dr. Ip will open the session with a detailed case presentation focusing on fertility preservation in a patient with Turner syndrome. This case will highlight the unique challenges associated with managing the reproductive health of individuals with this condition, including the natural history of ovarian function, the window of opportunity for intervention, and the complexities of counselling patients and families on fertility

preservation options.

Topic 1: Fertility Preservation Indication and Strategies

Dr. CHUNG Pui Wah, Jacqueline

Associate Professor

Department of Obstetrics and Gynaecology

The Chinese University of Hong Kong

Dr. Chung will provide a comprehensive overview of the indications for fertility preservation in adolescent patients, addressing both medical and genetic conditions that may compromise ovarian function. This session will explore the range of available strategies, including oocyte cryopreservation, ovarian tissue cryopreservation, and emerging techniques. The discussion will encompass patient selection, timing of intervention, and the importance of multidisciplinary collaboration in delivering individualized care.

Topic 2: Fertility Preservation in Turner Syndrome

Dr. Karen NG

Associate Consultant, Honorary Clinical Assistant Professor

Department of Obstetrics and Gynaecology

The Chinese University of Hong Kong, Prince of Wales Hospital

Dr. Ng will build upon the case presentation with a focused exploration of fertility preservation specifically in Turner syndrome. This session will delve into the clinical considerations unique to this population, including the assessment of ovarian reserve, the role of karyotype analysis in predicting fertility potential, and the ethical and psychosocial aspects of discussing fertility preservation with adolescents and their families.

Topic 3: Attitudes and Readiness for Fertility Preservation in Hong Kong

Dr. Jennifer K.Y. KO

Consultant

Department of Obstetrics and Gynaecology

Queen Mary Hospital

Dr. Ko will conclude the presentations with an examination of the local landscape regarding fertility preservation in Hong Kong. This session will explore the attitudes,

awareness, and readiness of both healthcare providers and patients toward fertility preservation, identifying barriers to access and opportunities for improving education and service delivery within the local context.

Following the presentations, a moderated discussion and Q&A session will allow attendees to engage with all speakers, facilitating an interactive exchange on the clinical, ethical, and practical challenges of fertility preservation in adolescent gynaecology.