



Jointly organized by
The Obstetrical and Gynaecological Society of Hong Kong
The Hong Kong Neonatal Society

Perinatal Symposium 2023

Congenital Cystic Lung Mass: Diagnosis and Management

14th November, 2023 (Tuesday)

The Ballroom One-Three,
18/F, The Mira Hong Kong,
118 Nathan Road, Tsimshatsui, Kowloon

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Welcome Message from the Presidents

Dear colleagues in O&G, Paediatrics, all medical fields and friends from the Obstetrics and Gynaecology Society of Hong Kong and the Hong Kong Neonatal Society

Welcome!

Thank you for joining our Perinatal Symposium 2023. As presidents of the Obstetrical and Gynaecological Society of Hong Kong and the Hong Kong Neonatal Society, we extend our sincerest gratitude to the Organising Committee and especially Lai Wa and Genevieve for their hard work in making this important academic event. This is the 21st Perinatal Symposium since its inauguration in 2001 and represents the close bonding between the Obstetrical and Gynaecological Society of Hong Kong and the Hong Kong Neonatal Society. In fact, the perinatal management of congenital conditions requires a multidisciplinary approach and seamless collaboration between obstetricians and neonatologists to achieve good outcomes.

This year our discussion will be on the management of the congenital cystic lung mass. We have 4 distinguished speakers in this field, Dr. Mimi T.Y. SETO, Dr. Ada W.T. TSE, Dr. Mabel WONG and Prof. Kenneth K.Y. WONG. Although not all our O&G or paediatric colleagues are practising MFM (maternal fetal medicine) or neonatology, we will definitely get a good understanding of these problems after their talks. Surely, we will be proud of our colleagues' efforts in helping these families.

Thanks again for your participation, we guarantee this will be a delightful experience academically, socially and also a fantastic dinner.



Dr. TANG Kwok Keung

President,

The Obstetrical and Gynaecological Society of Hong Kong



Dr. LAM Yuen Yu

President,

The Hong Kong Neonatal Society

List of Perinatal Symposium 2001-2023

List of Symposiums	Date	Theme
Inauguration Conference and dinner	10 th November, 2001	Various Topics in Perinatal Medicine
2 nd Perinatal Symposium	16 th November, 2002	Perinatal Topics & Controversies
3 rd Perinatal Symposium	25 th October, 2003	Medicolegal Topics in Perinatology
4 th Perinatal Symposium	30 th October, 2004	Screening and Management of Congenital Fetal Abnormality
5 th Perinatal Symposium	29 th October, 2005	Topics in Perinatal Medicine
6 th Perinatal Symposium	14 th October, 2006	Topics in Perinatal Medicine
7 th Perinatal Symposium	13 th October, 2007	Various Topics in Perinatal Medicine
8 th Perinatal Symposium	20 th September, 2008	Various Topics in Perinatal Medicine
9 th Perinatal Symposium	26 th September, 2009	Various Topics in Perinatal Medicine
10 th Perinatal Symposium	6 th November, 2010	Various Topics in Perinatal Medicine
11 th Perinatal Symposium	3 rd September, 2011	Various Topics in Perinatal Medicine
12 th Perinatal Symposium	20 th October, 2012	Various Topics in Perinatal Medicine
13 th Perinatal Symposium	26 th October, 2013	Inborn Errors of Metabolism (IEM)
14 th Perinatal Symposium	15 th November, 2014	Medico-legal Issues in Perinatal Medicine
15 th Perinatal Symposium	22 nd November, 2015	Haemoglobin Bart's Disease and Congenital Adrenal Hyperplasia
16 th Perinatal Symposium	26 th November, 2016	Birth Injury by Instrumental Delivery' and 'Chorioamnionitis'
17 th Perinatal Symposium	23 rd September, 2017	Diet and Growth- from Antenatal to Postnatal life
18 th Perinatal Symposium	13 th October, 2018	Perinatal Infection
19 th Perinatal Symposium	19 th October, 2019	Updates in Perinatal Genetics
20 th Perinatal Symposium	13 th November, 2021	Congenital Malformations: A Multidisciplinary Approach
21 st Perinatal Symposium	14 th November, 2023	Congenital Cystic Lung Mass: Diagnosis and Management



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Congenital Cystic Lung Mass: Diagnosis and Management

14th November, 2023 (Tuesday)

The Ballroom One-Three, 18/F, The Mira Hong Kong, 118 Nathan Road, Tsimshatsui, Kowloon

CHAIRPERSONS

Dr. LAM Yuen Yu
President,
The Hong Kong Neonatal Society

Dr. LAW Lai Wa
Honorary Treasurer,
The Obstetrical and Gynaecological Society of Hong Kong

Time	Title	Speaker/Chairperson
6:00 pm	Reception and Registration	
6:30 pm	Welcome and Introduction	Dr. LAM Yuen Yu Dr. LAW Lai Wa
6:35 pm	Prenatal Diagnosis and Monitoring of Congenital Cystic Lung Disease	Dr. Mimi T.Y. SETO Associate Consultant, Department of Obstetrics and Gynaecology, Queen Mary Hospital
7:00 pm	Prenatal Interventions for Congenital Cystic Lung Mass	Dr. Ada W.T. TSE Associate Consultant, Department of Obstetrics and Gynaecology, Prince of Wales Hospital
7:25 pm	Overview on Congenital Cystic Lung Mass	Dr. Mabel WONG Consultant, Department of Paediatrics & Adolescent Medicine, Queen Mary Hospital
7:50 pm	Surgical Management of Congenital Cystic Lung Disease	Prof. Kenneth K.Y. WONG Clinical Professor, Department of Surgery, Queen Mary Hospital, The University of Hong Kong
8:15 pm	Discussion & Conclusion	All
8:30 pm	Dinner	

ACCREDITATION

The Hong Kong College of Obstetricians and Gynaecologists CME/
Maternal Fetal Medicine Subspecialty: 2 points
Hong Kong College of Paediatricians CME (Cat A): 2 points
The College of Surgeons of Hong Kong CME: 1.5 points
Hong Kong College of Paediatric Nursing: 1.5 CNE points
OGSHK CNE/PEM: 1.5 points

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Chairpersons:

Dr. LAM Yuen Yu

President,
The Hong Kong Neonatal Society

Dr. LAW Lai Wa

Honorary Treasurer,
The Obstetrical and Gynaecological Society of Hong Kong

Speakers:

Dr. Mimi T.Y. SETO

Associate Consultant,
Department of Obstetrics and Gynaecology,
Queen Mary Hospital

Dr. Ada W.T. TSE

Associate Consultant,
Department of Obstetrics and Gynaecology,
Prince of Wales Hospital

Dr. Mabel WONG

Consultant,
Department of Paediatrics & Adolescent Medicine,
Queen Mary Hospital

Prof. Kenneth K.Y. WONG

Clinical Professor,
Department of Surgery, Queen Mary Hospital,
The University of Hong Kong

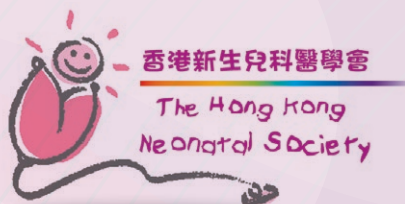
Councils of the Organising Societies



The Obstetrical and Gynaecological Society of Hong Kong

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Honorary Secretary:	Dr. TSE Ka Yu
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	Dr. LI Fuk Him, Dominic
	Dr. NG Kwun Sin, Vivian
	Dr. WONG Yuen Kwan, Alice
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	Dr. LI Hang Wun, Raymond

Councils of the Organising Societies



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Dr. SOO Man Ting

Social Convenor:

Dr. FUNG Po Gee, Genevieve

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Dr. CHAN Ngai Man

Dr. CHEE Yuet Yee

Dr. CHEUNG Kam Lau

Dr. FU Yu Ming

Dr. HO Yok Chiu

Dr. LAW Chi Wai

Dr. LEUNG Cheuk Wa, Wilfred

Dr. SO King Woon, Alan

Dr. WONG Ming Sum

Dr. WONG Siu Chun, Mabel

Prenatal Diagnosis and Monitoring of Congenital Cystic Lung Disease

Dr. Mimi T.Y. SETO

Associate Consultant, Department of Obstetrics and Gynaecology, Queen Mary Hospital

Dr. Mimi Seto is an Associate Consultant working in the Department of Obstetrics and Gynaecology (O&G) in Queen Mary Hospital, Hong Kong. Being a Maternal and Fetal Medicine (MFM) subspecialist of the Hong Kong College of Obstetricians and Gynaecologist, she provides multidisciplinary care to pregnant women with underlying medical diseases, performs prenatal diagnosis and offers fetal intervention to women with congenital fetal anomaly. She is a member of the Quality Assurance (QA) subcommittee of the Hospital Authority and she actively looks into issues of refining newborn disease coding and promoting accurate coding for postpartum haemorrhage to aid enhancement of the HA obstetric annual report. Besides, she is also very dedicated to standardizing care for women at risk of periviable births. In Hong Kong, she pioneers a care pathway and develops protocols jointly with the neonatal team in the Hong Kong West Cluster to streamline the workflow of management of these women.

Her interest is in providing simulation training and teaching. She has attended the Comprehensive Simulation Educator Course (CSEC) and is an instructor of the Advanced Life Support in Obstetrics (ALSO) Course. She organizes the O&G Cardiopulmonary Resuscitation (CPR) workshop with multidisciplinary teams including midwives, intensivists and anaesthesiologists. She also runs obstetric drills and simulation training of obstetric emergency jointly with another unit in Hong Kong (PYENH). Dr Seto has published more than 30 articles (including 8 being the first-author) in peer review journals and has contributed in book chapter. Her team's researches on Hepatitis B have changed the local practices of managing these pregnant women. She obtained the Health and Medical Research Fund (HMRF) for two of her research projects in prevention of preterm birth in twin pregnancy using metformin and screening for CMV in pregnant women.

Prenatal Diagnosis and Monitoring of Congenital Cystic Lung Mass

Congenital Cystic Lung Mass is rare but consists of a wide spectrum of disorder. The most common malformations are congenital pulmonary airway malformation, also known as congenital cystic adenomatoid malformation, bronchopulmonary sequestration and congenital diaphragmatic hernia.

With the increased use of obstetric ultrasound, cystic lung lesions are detected more often. Serial ultrasound monitoring is needed and in rare situations in utero therapy may be required for fetal survival. Obstetric ultrasound also allows proper planning of peripartum and neonatal management.

This presentation discusses the prenatal diagnosis and monitoring of different cystic lung masses from an obstetrician's view.

Prenatal Interventions for Congenital Cystic Lung Mass

Dr. Ada W.T. TSE

*Associate Consultant,
Department of Obstetrics and Gynaecology,
Prince of Wales Hospital*

Dr. Ada Tse is an Associate Consultant in the Department of Obstetrics and Gynaecology, at the Prince of Wales Hospital. She attained her subspecialty qualifications in Maternal and Fetal Medicine (MFM) from the HKCOG and the RCOG in 2022 and 2023, respectively. Dr Tse has published 27 articles in peer review journals and her special interest is fetal intervention.

Antenatal Interventions on Congenital Lung Masses

In this talk, Dr. Tse will briefly go through the different types of cystic and hyperechogenic lung lesions detected antenatally and possible complications. She will then discuss the fetal interventions described in the literature on various lung masses, which include steroid therapy, shunting, sclerotherapy, laser coagulation, radiofrequency ablation, fetal lobectomy, etc. Each fetal intervention will be described in detail: the procedure, challenges, outcomes, and complications with literature review, as well as sharing of local experience with case illustration.

Overview on Congenital Cystic Lung Mass

Dr. WONG Siu Chun, Mabel

Consultant,

Department of Paediatrics & Adolescent Medicine,

Queen Mary Hospital

Dr. Wong Siu Chun, Mabel was graduated from the University of Hong Kong and obtained her fellowship in Paediatrics in 2003. Dr Wong is an accomplished Instructor for the Neonatal Resuscitation Program and Neonatal Emergency Transport Simulation Program. Currently serving as a consultant and neonatal service in-charge in the Department of Paediatrics & Adolescent Medicine in Queen Mary Hospital, Dr Wong and her team has seamless collaboration with obstetricians, paediatric surgeons and the nursing team. The Hong Kong West Cluster Neonatal Surgical Service Team, under leadership of Prof Kenneth Wong and Dr Wong, was awarded one of the outstanding teams of the Hospital Authority in 2023. Dr Wong is also an Honorary Clinical Associate Professor at the University of Hong Kong and is actively involved in both teaching and research initiatives.

Overviews on Congenital Cystic Lung Masses

Congenital cystic lung lesions are a diverse group of developmental abnormalities that affect the lungs before birth. They can be categorized into several types such as congenital pulmonary airway malformation (CPAM), bronchopulmonary sequestration, bronchogenic cysts and congenital alveolar overdistension. CPAM is the most common type and is characterized by the presence of cystic structures in varying sizes and numbers.

These lesions are often detected during routine antenatal ultrasound, but they can also be diagnosed later in life. Most lesions are asymptomatic at birth. Symptoms and complications depend on size, location and type of lesion. They can range from respiratory distress and recurring respiratory infections to more severe complications like pneumothorax and malignancy.

Surgical resection is the treatment of choice for symptomatic infants and those with specific lesion characteristics. Minimally invasive techniques result in reduced morbidity and faster recovery. Asymptomatic patients can either undergo elective resection or be closely monitored for symptoms, with the decision made in consultation with the healthcare provider and family.

Managing congenital cystic lung lesions requires a multidisciplinary approach involving neonatologists, radiologists, paediatric surgeons and paediatric respirologist. Early diagnosis, close monitoring, and appropriate management are crucial for optimizing outcomes and ensuring the best possible lung function in affected individuals.

A review of forty-three newborns with congenital cystic lung masses diagnosed antenatally in two local hospitals over a 10-year period was performed.

Surgical Management of Congenital Cystic Lung Disease

Prof. Kenneth K.Y. WONG

*Clinical Professor,
Department of Surgery, Queen Mary Hospital,
The University of Hong Kong*

Prof. Kenneth Wong received medical degree from University of Edinburgh and his Ph.D degree in immunology at Imperial College. He is currently Clinical Professor and Chief of Paediatric Surgery in the Department of Surgery, HKU.

He is an internationally renowned paediatric surgeon with clinical interests in advanced laparoscopic/ robotic surgery, metabolic and thoracic surgery.

He set up the paediatric robotic surgery and introduced single port surgery, bariatric surgery and thoracoscopic surgery in children in Hong Kong. He has been co-project leader in “Laparoscopic Workshops for Paediatric Surgeons in China” since 2007 and has helped train over 2500 Chinese paediatric surgeons.

Prof. Wong sits on the executive boards of Pacific Association of Pediatric Surgeons, World Federation of Associations of Pediatric Surgery and Asian Association of Pediatric Surgeons. He is the President-Elect of PAPS & AAPS.

He has published over 220 papers in peer-reviewed journals and has over 7000 citations with an h-index of 40. He has also contributed to 15 book chapters. He was listed as Top 1% scientist in HKU in 2017.

He serves as Founding Editor-in-Chief for Journal of Pediatric Surgery Open, and is Associate Editor for Journal of Pediatric Surgery, Frontiers Pediatrics and BMC Pediatrics and is on the editorial board of 7 other international peer-reviewed clinical and scientific journals. He has been invited and given over 100 invited lectures worldwide.

Surgical Management of Congenital Cystic Lung Disease

Congenital lung disease is a spectrum of developmental anomalies which includes congenital pulmonary airway malformations (CPAM), bronchopulmonary sequestration, and congenital lobar overinflation. These conditions are usually diagnosed antenatally and subsequently confirmed with CT scans after birth. In this talk, the management of these lesions is outlined and the latest research is discussed.

Perinatal Symposium 2023

13th November, 2021





The background is a complex abstract design. It features several large, overlapping circles in shades of pink, purple, blue, and green. Overlaid on these circles is a grid of thin, light green lines. There are also three small white circles: one in the upper right and two near the bottom center.

Supported by:

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