



1ST INDONESIA PEDIATRIC INTERVENTIONAL BRONCHOSCOPY SCIENTIFIC MEETING

BRIEF SUMMARY

Pediatric interventional bronchoscopy in Indonesia is still considered as a new procedure. In order to establish and improve skill and knowledge on this field, we held **1st Indonesia Pediatric Interventional Bronchoscopy Scientific Meeting on March 22-24, 2018 in Jakarta**. First activity was pediatric interventional bronchoscopy course which was conducted on March 22nd in Cipto Mangunkusumo Hospital, a national referral hospital in Indonesia. Cipto Mangunkusumo hospital is an academic university based hospital in collaboration with Faculty of Medicine Universitas Indonesia and serve as a training and educational centre for medical students, residents and trainees. This course was endorsed by *World Association Bronchology and Interventional Bronchoscopy (WABIP)*, especially the pediatric section. On March 23rd, The webinar (online symposia) about integrated bronchoscopy services in Cipto mangunkusumo hospital was held. It was a collaboration symposia of pediatric pulmonologist, adult pulmonologist, Otorhinolaryngologist and guest speaker (chairman of pediatric section of WABIP) . The webinar was broadcasted from Cipto Mangunkusumo hospital across the country so that other hospitals and colleagues from other islands could join the sessions. On March 24th, in conjunction with Jakarta International Chest and Critical Care Medicine (JICCIM) Congress, a topic of pediatric interventional bronchoscopy was delivered in plenary session. In the afternoon, a pediatric hands on course of interventional bronchoscopy was performed.

Day 1 (March 22nd ,2018) : Pediatric Interventional Bronchoscopy Course

The course was opened by the representative of educational and training director of Cipto Mangunkusumo hospital, Dr Anwarul Amin. A short introduction of the course was delivered by Dr Wahyuni Indawati as a course director then proceed to case presentation for live demonstration procedure. After that, live demonstration procedure of application of cryotherapy and argon plasma coagulation (APC) was

performed. A case of recurrent papilloma larynx in 7 years old girl who had fully obliterated supraglottic, glottic and subglottic area above the tracheostomy canule as well as in the trachea just below the tracheostomy canule was extirpated using cryotherapy and APC. The procedure was done by Prof Mohammad Ashkan Moslehi which the audience saw it in realtime through livestreaming room. Prof Moslehi explained step by step about the procedure of using cryotherapy and APC in managing the intraluminal mass.



Figure 1 Schedule For The Event



Figure 2 Opening Speech From Representative Of Director for Educational And Training in Cipto Mangunkusumo Hospital



Figure 3 Opening Speech From Head Of Respirology Division Pediatric Departement Of Cipto Mangunkusumo Hospital



Figure 4 Dr Wahyuni presented the Case for Live Procedure Demonstration



Figure 5 The Live Demonstration of Cryotherapy and Argon Plasma Coagulation (APC) Procedure



Figure 6 The Team of Live Demonstration

After the break, lecture sessions was began with **“How to Develop Interventional Bronchoscopy Center (Lesson Learnt From Adult Pulmonologist)”** which was presented by **Dr Ceva W Pitoyo**. **Dr Elvie Zulka** from Otorhinolaryngology Department spoke about **“Foreign Body Extraction in Children”**. The topic of **“Anesthesia technique in Pediatric Interventional Bronchoscopy”** was delivered by **Dr Bintang Pramodana** from Anaesthesiology Department. Afterwards **Prof Moslehi** gave enlightenment about **“Cryotherapy in managing granulation tissue and foreign body extraction in Children”** and proceed by lecture on **“The role of ballooning in managing airway stenosis”**. The attendees were hospital staff from multidepartment as well as residents and trainees and also pediatric pulmonologist from other part of Indonesia such as West Sumatra, South Sumatra and South Sulawesi.



Figure 7 Prof Moslehi spoke About Cryotherapy in Man aging Granulation Tissue and ForeignBody Extraction in Children



Figure 8 Speakers of The Course



Figure 9 Observation Room For Live Demonstration



Figure 10 Participants of The Course

Day 2 (March 23rd, 2018) : Webinar on Integrated Bronchoscopy services in Cipto Mangunkusumo Hospital

The second day was started by online symposia (webinar) which was chaired by Dr Wahyuni Indawati. There were 4 topics in this session, **“The role of bronchoscopy in pediatric respiratory cases”** was delivered by **Dr Darmawan B Setyanto** as Head of Respirology Division Child Health Department Cipto Mangunkusumo hospital. Afterwards **Dr Ceva W Pitoyo**, Head of Respirology and Critical Care of Department Internal Medicine spoke about **“Current Practice of Adult Interventional Bronchoscopy”**. **Prof Moslehi** as our honoured guest gave lecture on **“The Present and Future for Pediatric Interventional Bronchoscopy”**. The fourth topic about **“Challenges of Foreign Body Extraction in Children”** was presented by **Dr Rahmanofa Yunizaf** from Otorhinolaryngology Department.

The session was broadcasted across the country thus allowed other hospitals and colleagues from other island of Indonesia actively participated. Pediatric pulmonologist from Jakarta, Palembang (South Sumatra), Padang (West Sumatra) and so on were asking questions interactively during the session.



Figure 11 The Speakers for Online Symposia “The Role of Bronchoscopy Services in Cipto Mangunkusumo Hospital”



Figure 12 Online Symposia (Webinar) “The Role of Bronchoscopy Services in Cipto Mangunkusumo Hospital”



Figure 13 Online Participants from Other Hospital

Day 3 (March 24th, 2018) : Jakarta International Chest and Critical Care Medicine (JICCIM) Congress

In plenary session of the 6th JICCIM in Raffles hotel, Jakarta, Prof Moslehi Introduced “**Pediatric Interventional Bronchoscopy : Where are we now?**”. In the afternoon session, Dr Wahyuni and Prof Moslehi conducted hands on session on pediatric interventional bronchoscopy. First **Dr Wahyuni** started with Hands on session of “**Practical Points to Drive Flexible Bronchoscope**” and then continued by **Prof Moslehi** about “**The Application of Cryotherapy, APC and Balloning Procedures in Pediatric Setting**”. The participants were pediatric pulmonologists from all over the country such as Jakarta, East Java, West Sumatra, South Sumatra, South Sulawesi, North Sulawesi, Jogjakarta, North Sumatra and West Nusa Tenggara. All participants were actively involved and directly supervised during hands on using the bronchoscopy model. The session was wrapped up with group photo and the spirit of continuing to elaborate and improve skills and knowledge on pediatric interventional bronchoscopy. Special regards to our honourable guest Prof Moslehi for the willingness of sharing his experiences and knowledge. The last but not least we also thank to our partner Setio Harto (Olympus Indonesia) and Erbe company for the support of this course.



Figure 14 Prof Moslehi Spoke About “Pediatric Interventional Bronchoscopy: Where Are We Now?” in JICCIM 2018



Figure 15 Prof Moslehi and Dr Wahyuni with Dr Gurmeet Singh, Head Of Organizing Committee JICCIM 2018



Figure 16 The Equipment for Hands on Session on Pediatric Interventional Bronchoscopy



Figure 17 Dr Wahyuni Demonstrated for Hands on Session of "Practical Points to Drive Flexible Bronchoscope"



Figure 18 Prof Moslehi Demonstrated for Hands on Session of "The Application of Cryotherapy, APC, and Balloning Procedures in Pediatric Setting"



Figure 19 The Course Participants Performed in the Hands on Session



Figure 20 Prof Moslehi Supervised One of the Participants on Hands on Session



Figure 21 Photo Group With Bronchoscopy Nurses



Figure 22 Photo Group With The Participants

This 1st Indonesia Pediatric Interventional Bronchoscopy Scientific Meeting is the first platform for Indonesia pediatric pulmonologist to move forward in the future for better practices in pediatric respiratory medicine. Collaboration with other society in the world and region will be expected to strengthen the scientific part as well as transfer of skill.

(Jakarta, March 31st 2018, WI)



Figure 19 Cipto Mangunkusumo National Hospital



Figure 20 Kiara Maternal and Child Health Center at Cipto Mangunkusumo National Hospital