"Pediatric Aero-Digestive Disorders in the New Century"

A Valley-Mount Sinai Kravis Children's Hospital educational symposium.





What's Cooking under the Vocal Cords in the Coughing Kid?

Alvin (Didi) Vicencio MD Professor of Pediatrics Director, Pediatric Pulmonary Medicine

Disclosures

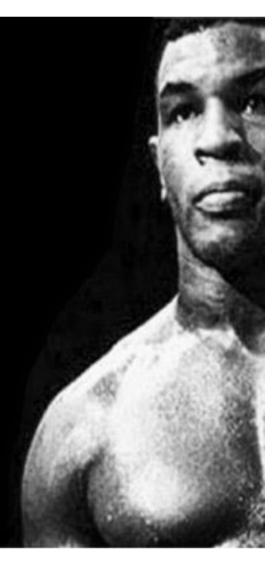
• Consultant for Ambu, Inc

Faculty Disclosure

There are no commercial products or services being discussed No financial disclosures No unlabeled use of a product is being discussed



"Everyone has a plan 'till they get punched in the mouth." -Mike Tyson



Resilience – Improvisation – Persistence

Pediatric Advanced Diagnostic and Interventional Bronchoscopy



This is the most distressing paper I have heard in my entire life. Flexible bronchoscopy is nothing but medical voyeurism. Doing this in children is the grossest of medical malpractice.

• Response to Dr. Wood's initial publication on pediatric flexible bronchoscopy

	2 445 Minnesota/ Sulle 1500 info@aabro	51) 256-9506 onchology.org	
George A. Eapen President Septimiu Murqu	TO: Thomas Nasca, MD, MACP President and Chief Executive Officer, ACGME FROM: George Eapen, MD President, American Association for Bronchology and Interventional		
President-Elect Carla Lamb Secretary-Treasurer	Pulmonology Neeraj Desai, MD President, Association of Interventional Pulmonology Program Directors		
Ali I. Musani Past President	DATE: October 15, 2021 SUBJECT: Proposal for ACGME Recognition of a New Sub-subspecialty in Interventional Pulmonary Medicine		
Board of Directors			
Abdul Alraiyes Colleen Keyes Amit Mahajan	Enclosed is a joint proposal from the American Association for Bronchology and Interventional Pulmonology (AABIP) and Association of Interventional Pulmonology Program Directors (AIPPD) requesting approval from the ACGME Board of Directors to accredit a sub- subspecialty fellowship in Interventional Pulmonary Medicine under the parent specialty of adult pulmonary medicine.		
Adnan Majid Matt Kinsley	Interventional pulmonology is a subspeciality that focuses on the evaluation and managed of thoracic diseases primarily involving the airways, lung parenchyma, and pleural spa	ce with a	
Kamran Mahmood Fabien Maldonado	focus on minimally-invasive diagnostic and therapeutic procedural skills beyond the so adult pulmonary medicine fellowship requirements. Currently, interventional pulmonolo fellowships provide advanced training for 12 months after completion of a standard fell	gy	
Ashutosh Sachdeva	In pulmonary medicine to allow a fellow to acquire competency in the sub-subspecialty	with	
Sonali Sethi Samira Shojaee	sufficient expertise to act as an independent consultant and expert provider of advance diagnostic and therapeutic interventional bronchoscopic and pleural procedures. Since interventional pulmonology fellowship programs have been accredited according to a s created jointly by the major pulmonary medical societies: AABIP, AIPPD, American Th Society (ATS), American College of Chest Physicians (ACCP), and Association of Pull	e 2016, standard oracic	

	445 Minn	and Interventional Pulmonology 445 Minnesota/ Suite 1500 St. Paul, MN 55101				
George A. Eapen	TO:	Thomas Nasca, MD, MACP President and Chlef Executive Officer, AC	GME			
President Septimiu Murgu President-Elect	FROM:	George Eapen, MD President, American Association for Bronc Pulmonology	hology and Interventional			
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Matt Kinsley		Interventional pulmonology is a subspecialty that focuses on the evaluation and management of thoracic diseases primarily involving the airways, lung parenchyma, and pleural space with a				
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Fabien Maldonado	10 M	nonary medicine fellowship requirements. Cu os provide advanced training for 12 months at				
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Sonali Sethi						
Samira Shojaee	interventi created je Society (J	onal pulmonology fellowship programs have b ointly by the major pulmonary medical societie ATS), American College of Chest Physicians al Care Medicine Program Directors (APCCN	been accredited according to a standard as: AABIP, AIPPD, American Thoracic (ACCP), and Association of Pulmonary			

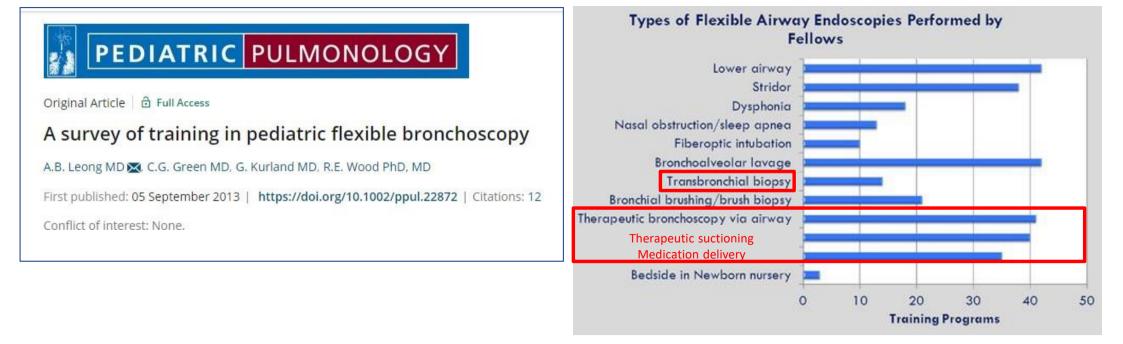
Interventional pulmonology is a subspecialty that focuses on the evaluation and management of thoracic diseases ... with a focus on minimally-invasive diagnostic and therapeutic procedural skills beyond the scope of adult pulmonary medicine fellowship requirements.

	Dealer -	erventional Pulmonology nota/ Suile 1500 N 55101	Phone • (651) 256-9506 info@aabronchology.org www.aabronchology.org	
George A. Eapen	TO:	Thomas Nasca, MD, MACP President and Chief Executive Officer, ACGME	1	
President Septimiu Murgu President-Elect	FROM:	George Eapen, MD President, American Association for Broncholo Pulmonology	gy and Interventional	
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Interventional pulmonology is a subspecialty that focuses on the evaluation and management of thoracic diseases ... with a focus on minimally-invasive diagnostic and therapeutic procedural skills beyond the scope of adult pulmonary medicine fellowship requirements.

- Routine adult procedural training
 - Flexible bronchoscopy
 - Lavage
 - Brush biopsy
 - Endobronchial biopsy
 - Transbronchial biopsy
 - Needle aspiration
 - Critical care procedures
 - Chest tubes, lines, intubation, etc.

- Interventional pulmonology
 - Navigational bronchoscopy
 - EBUS
 - Electromagnetic navigation
 - Cone beam CT
 - Robotic
 - Advanced therapeutic procedures
 - Laser, APC, cryo...
 - Stents
 - Rigid bronchoscopy
 - Pleural disease including VATS



ERS OFFICIAL DOCUMENT ERS STATEMENT

ERS statement: interventional bronchoscopy in children

Ernst Eber¹, Juan L. Antón-Pacheco², Jacques de Blic³, Iolo Doull⁴, Al Faro⁵, Raffaella Nenna⁶, Thomas Nicolai⁷, Petr Pohunek⁸, Kostas N. Priftis⁹, Paola Serio¹⁰, Courtney Coleman¹¹, Sarah Masefield¹¹, Thomy Tonia¹² and Fabio Midulla⁶

Affiliations: ¹Division of Paediatric Pulmonology and Allergology, Dept of Paediatrics and Adolescent Medicine, Medical University of Graz, Graz, Austria. ²Paediatric Airway Unit and Paediatric Surgery Division, Hospital Universitario 12 de Octubre, Universidad Complutense de Madrid, Madrid, Spain. ²Assistance Publique Hôpitaux de Paris, Hôpital Universitaire Necker-Enfants Malades, Paediatric Pulmonary Dept, Université Paris Descartes, Paris, France. ⁴Dept of Paediatric Respiratory Medicine, Children's Hospital for Wales, Cardiff, UK. ⁵Cystic Fibrosis Foundation, Bethesda, MD, USA. ⁶Dept of Paediatric, "Spain-za" University of Rome, Rome, Italy. ⁷University Children's Hospital, Ludwig Maximilians University Munich, Munich, Germany. ⁶Paediatric Dept, 2nd Faculty of Medicine, Chartes University and Motol University Hospital, Prague, Czech. Republic. ^{*}3rd Dept of Paediatrics, University General Hospital, Atthon, National and Kapodistrian University of Athens, Athens, Greece. ¹⁰Dept of Paediatric Anaesthesia and Intensive Care, Meyer Children Hospital, Respiratory Endoscopy Unit, Florence, Italy. ¹¹European Lung Foundation, Sheffield, UK. ¹¹ ¹¹Institute of Social and Preventive Medicine, University of Genera, Mern, Bern, Switzerland.

Correspondence: Fabio Midulla, Dept of Paediatrics and Infantile Neuropsychiatry, Sapienza University of Rome, Viale Regina Elena 324, 00161 Rome, Italy. E-mail: midulla@uniroma1.it

@ERSpublications Interventional bronchoscopy in children: evidence at present, clinical practice and areas for further investigation http://ow.lv/Z7Rv30fuPV6

Cite this article as: Eber E, Antón-Pacheco JL, de Blic J, et al. ERS statement: interventional bronchoscopy in children. Eur Respir J 2017; 50: 1700901 [https://doi.org/10.1183/13993003.00901-2017].

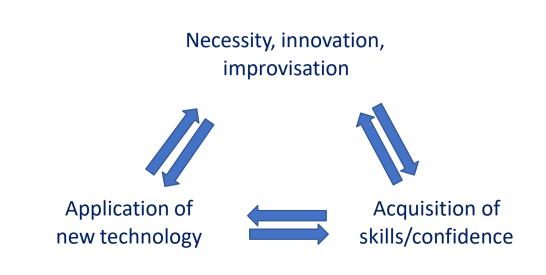
- Whole lung lavage
- Transbronchial and endobronchial biopsy
- Transbronchial needle aspiration and endobronchial ultrasound
- Foreign body extraction
- Balloon dilation and occlusion
- Laser-assisted procedures
- Airway stents
- Cryotherapy
- Endoscopic intubation
- TEF repair
- Bronchopleural fistula repair
- Atelectasis treatment
- Plastic bronchitis treatment
- Hemoptysis control

Adult = Well-defined indications/conditions + advanced procedural training + dedicated equipment

Pediatric = A bunch of rare conditions + relative lack of procedural training + lack of dedicated equipment

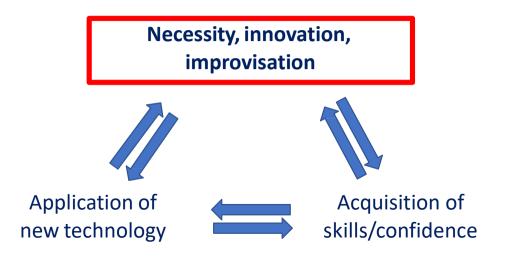


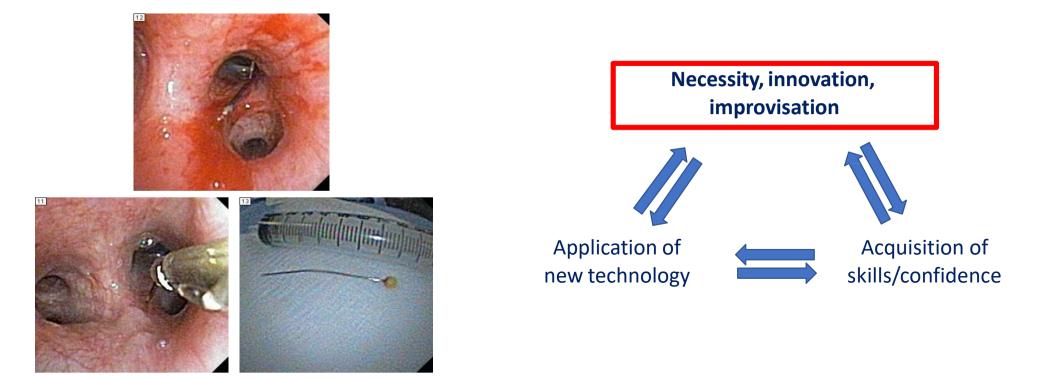
Sanjay Parikh, ENT

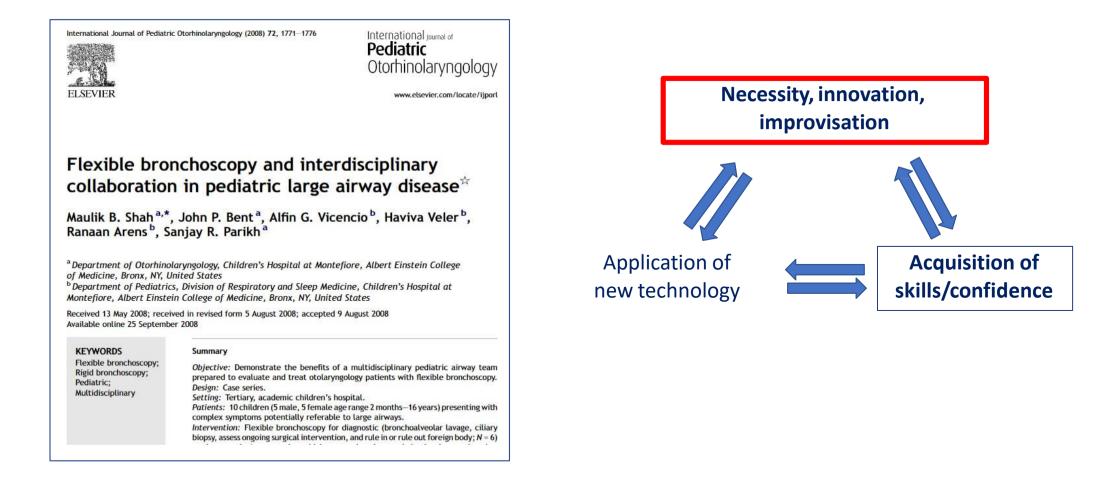


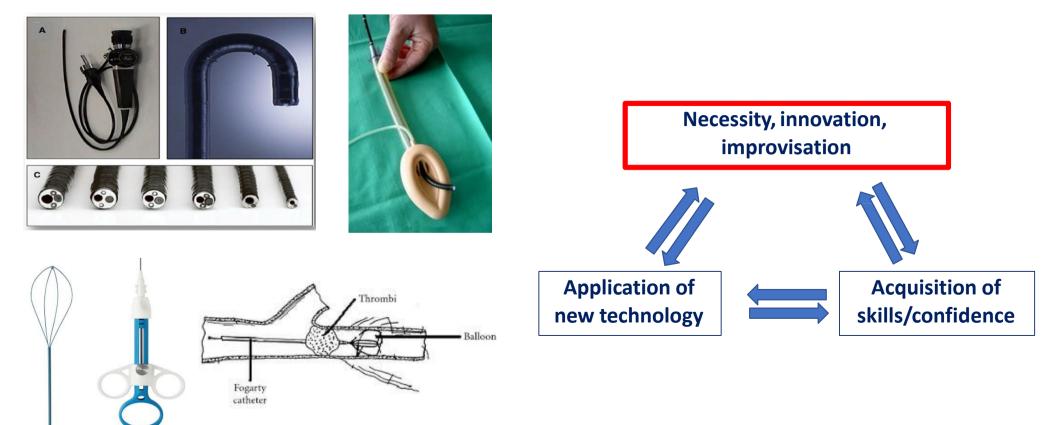


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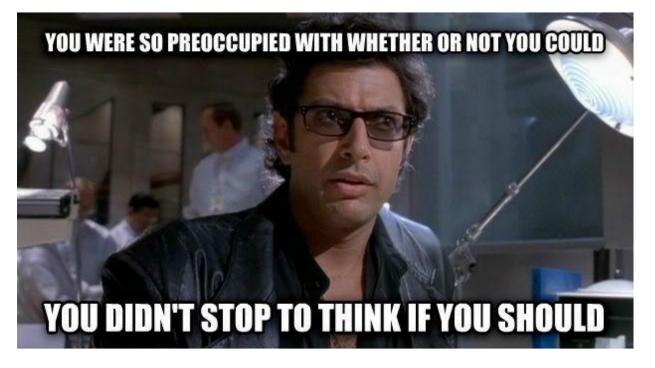












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Interventional bronchoscopy in children: evidence at present, clinical practice and areas for further investigation http://ow.ly/Z7Rv30fuPV6

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[Pediatric interventional bronchoscopy]...may significantly limit morbidity from either the underlying disease process or from a more invasive procedure.



Foreign body aspiration in a child with unilateral lung aplasia Kiran Nandalike, MD: Aaron Kessel, MD: Sandeep Tripathi, MD: Todd Sweberg, MD: Alfin G. Vicencio, MD

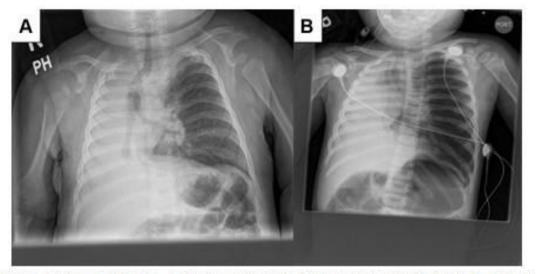
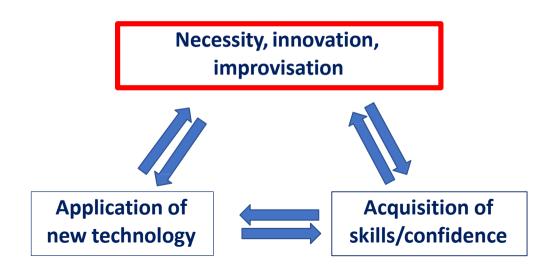
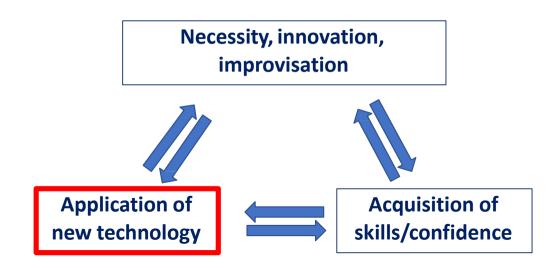
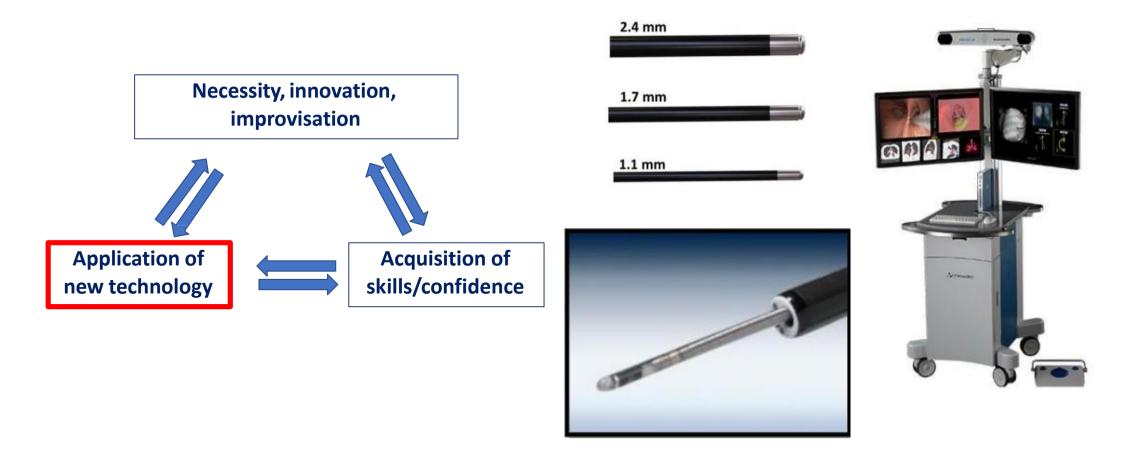


Figure 1. Chest radiographs. A, Baseline radiograph demonstrating right lung aplasia, tracheal displacement to the right, and sharp angle of the left main bronchus. B, Presenting radiograph demonstrating increased hyperinflation (note disappearance of the left diaphragm).



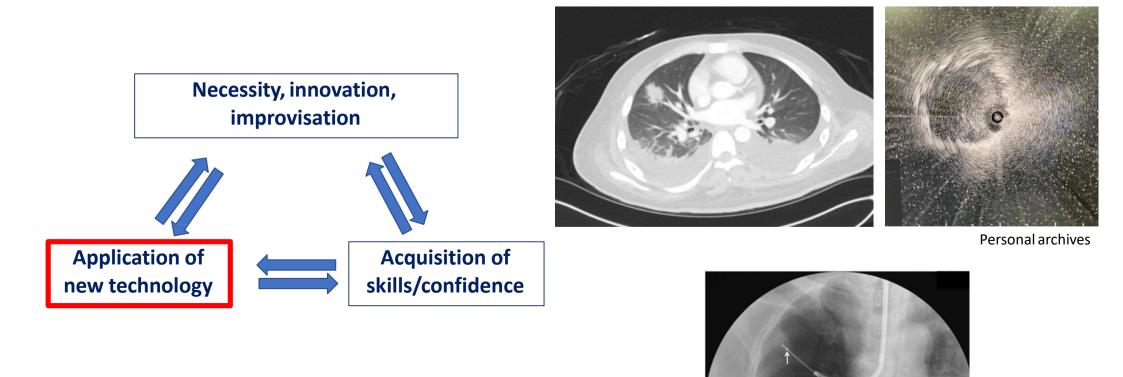


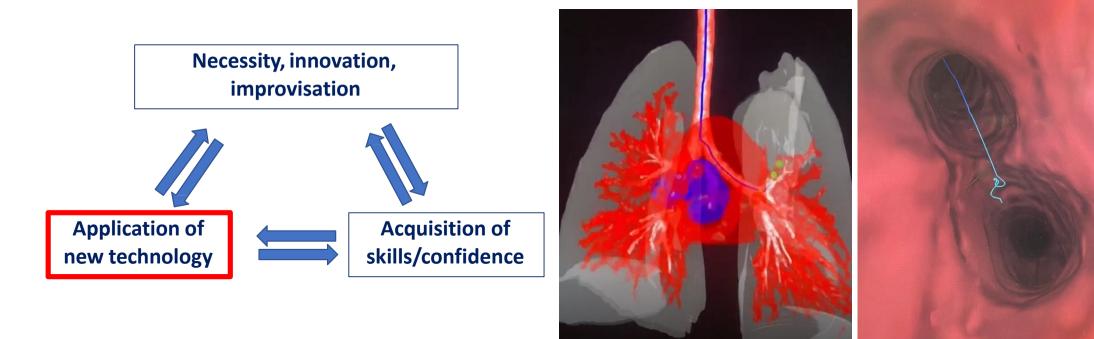
- Technology
 - New equipment = more options
 - Coming whether or not we choose to apply to our field





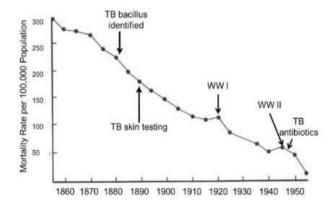
Kharode and Vicencio, ATS Pediatric Assembly Bronchoscopy Library

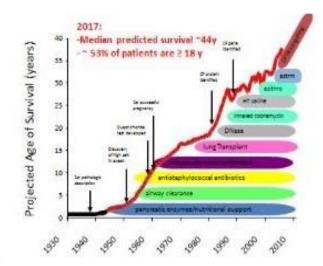


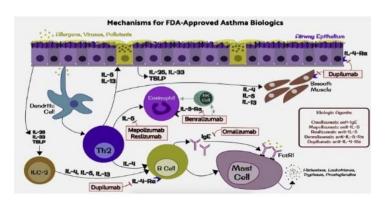


Personal archives

Pediatric Pulmonology 2024 and beyond – A casualty of our own success?

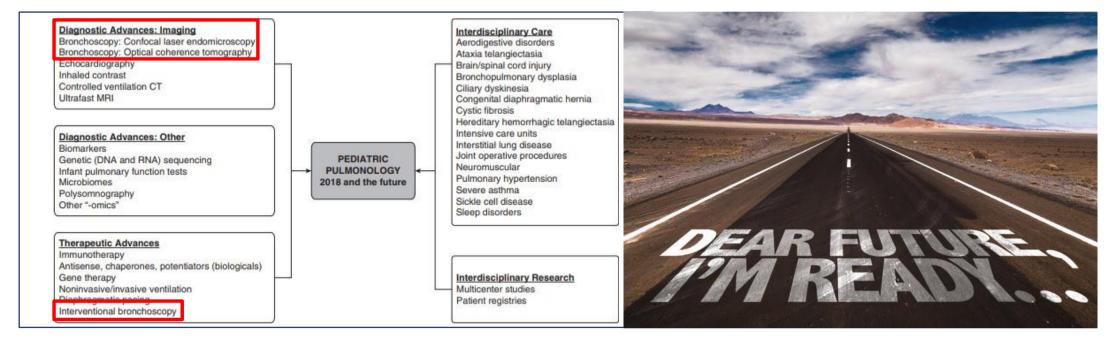






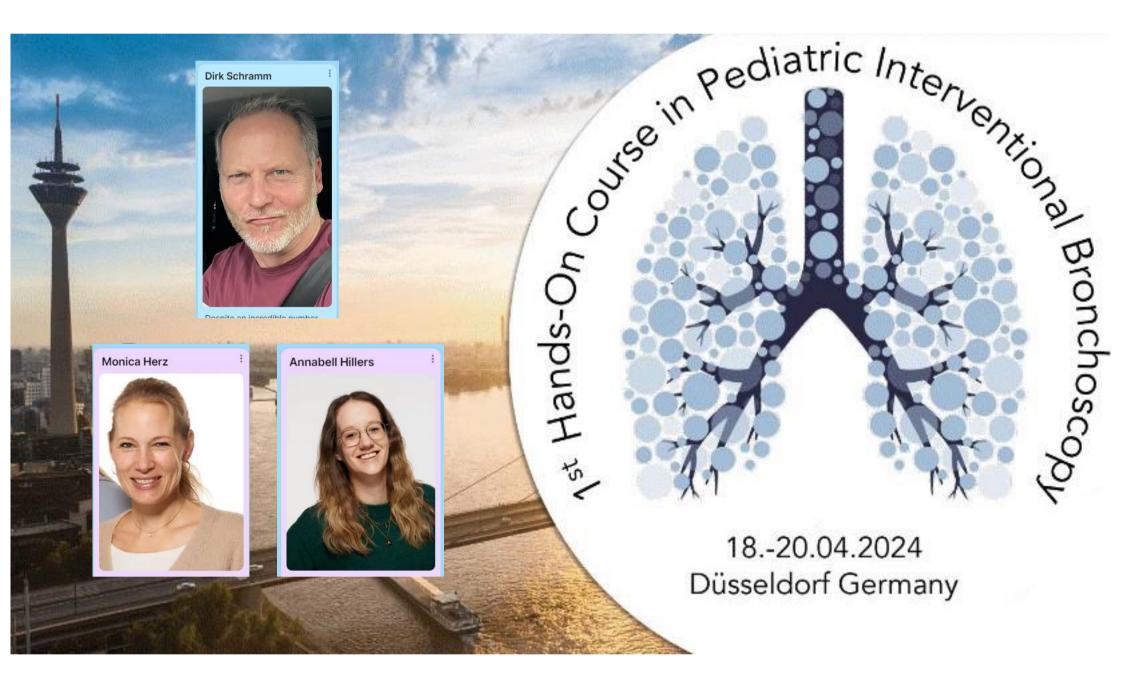
"...challenges in attracting [pediatric pulmonology] trainees ...oddly [are] occurring at a time when exciting diagnostic and therapeutic advances are rapidly developing throughout the field, which should serve as a huge draw for trainees."

- Collaco and Abman, AJRCCM 2018



Are the stars aligning?









Mohammad Ashkan Moslehi, MD

Pediatric Bronchoscopy



Praveen Chenna, MD

AABIP Pediatrics Chapter

First Official Meeting April 3, 2024





Initial Success Achieved Through Ad-Hoc Collaboration

- ATS Post-Graduate Courses (2022, 2024)
- Annual Mt. Sinai Cryo Course (2023, 2024)
- ATS Poster Discussion Sessions (2023, 2024)
- ERS Symposium, Milan, Italy (2023)
- European 3-day Course, Dusseldorf, Germany (2024)
- Annual Cincinnati Cryo Course (2023, 2024)
- Peds IP Textbook (2021)
- National Survey (2024)
- AABIP Pediatric IP Podcast (2022)

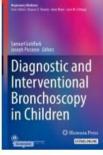








American Thoracic Society







American Association for Bronchology and Interventional Pulmonology AUGUST 22-24, 2024, CHARLOTTE, NC, USA



Pediatric IP

Date	Time	Room	Session Title
August 23, 2024	7:45-8:45	INTERACTIVE 1	Peds IP: Growing Lungs, Growing Needs: The Evolving Landscape of Pediatric Interventional Pulmonology
August 23, 2024	10:00-11:00	BREAKOUT 1	Pediatric IP: Year in Review
August 23, 2024	1:00-3:00	SIMS ROOM	Simulation Session 5: Interventional Pulmonology for the Pediatric Patient -Advanced and Therapeutic Bronchoscopy Skills
August 23, 2024	4:15-5:15	SIMS ROOM	Pediatric IP Networking Hour









Talent wins games, but teamwork...wins championships

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diet Coke

Michael Jordan

"Pediatric Aero-Digestive Disorders in the New Century"

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