

Table 1. Clinical features of the six cases with PPIE

No.	Sex	Age	Other defects	Ultrasound finding	Term	Mechanical ventilation	CT diagnosis	Clinical magnification	Affected site	Diameter (cm)
1	M	3y	None	None	Full term	None	CCAM	Pneumonia	Right lower lobe	2.5
2	F	3y	None	None	Full term	None	CCAM	Recurrent pneumonia for 1 month	Right upper lobe	1.8
3	F	1y	None	None	Full term	None	CCAM	Pneumonia for 1 month	Both lower lobes	5.6
4	M	11m	None	None	NA	NA	Cystic lesion	Recurrent pneumonia for 7 months	Right lower lobe	3.8
5	F	5y	Ventricular septal defect	None	Full term	None	Cystic lesion	Recurrent pneumonia for 3 months	Both lung lobes	-
6	F	2m	None	None	Full term	None	CCAM	Pneumonia for 20 days	Right lower lobe	2.6

F: female; M: male; y: years; m: months; NA: not available; CCAM: congenital cystic adenomatoid malformation;

Table 2. Infectious pathogens and metagenomic next-generation sequencing (mNGS)

results

Case.	Sex	Age	mNGS results	Specific reads (n)
1	M	3y	<i>Streptococcus pneumoniae</i>	941
2	F	3y	Not found	
3	F	1y	Not found	
4	M	11m	Not found	
5	F	5y	<i>Neisseria mucosa</i>	587
			<i>Neisseria sicca</i>	247
			<i>Prevotella melaninogenica</i>	258
			<i>Prevotella histicola</i>	174
			<i>Fusobacterium nucleatum</i>	239
6	F	2m	Not found	

F: female; M: male; y: years; m: months

Table 3. Review of published literature of PPIE with respiratory infection.

First author	Year	Cases	Sex	Age	Term	Mechanical ventilation	Pneumothorax	Mediastinal shift	Pneumomediastinum	Infectious pathogen	Affected site	Surgery
Toledo Del Castillo, B.[15]	2016	1	M	18d	Full-term	Yes	No	Yes	No	RSV	Left lung	No
Aiyoshi, T.[13]	2016	1	F	22m	Full-term	Yes	Yes	No	Yes	RSV	Right upper lobe	No
Gala, H. C.[16]	2014	1	NA	At birth	Preterm	Yes	No	No	No	Not found	Left lung	No
Sherren,Peter B[18]	2011	1	F	87y	NA	No	Yes	No	No	Not found	Both lung lobes	No
Lee, H. S.[11]	2010	1	F	6w	Full-term	No	Yes	No	Yes	Not found	Right upper and middle lobe	No
Pursnani, S. K.[12]	2006	1	M	3m	Full-term	No	Yes	No	No	Not found	Right lung	Yes
Yao, J. L.[19]	1999	1	F	9w	Preterm	Yes	Yes	No	No	Candida albicans	Left upper lobe	Yes
O'Donovan, D.[17]	1999	1	F	At birth	Preterm	Yes	No	YES	No	Not found	Both lung lobes	No
Cohen, M. C.[14]	1999	4	2F and 2M	45d to 2y	Full-term	No	No	No	No	Not found	2 right upper lobe, 1 right lower lobe and 1 left upper lobe	Yes

F: female; M: male; y: years; m: months; w: weeks; NA: not available; RSV: Respiratory syncytial virus.