

Table SI. Clinical data of previously reported cases of primary P-EMC.

Authors, year	Country	Age, years/ sex	Symptoms	Size, cm	Smoking	Medical history	Location (Chest CT)	Location (endobronchial or not)	PET-CT	Preliminary diagnosis methods	Treatment	Adjuvant chemotherapy or not	Gene detection	Follow-up time , months	Survival	Refs
Fulford <i>et al</i> , 2001	UK	55/F	Dyspnea, and weight loss	NA	NA	NA	RMB	Yes	NA	BB (adenomyoepithelioma)	Pneumonectomy	No	NA	8	NRM	(4)
Fulford <i>et al</i> , 2001	UK	33/F	Asymptomatic	NA	NA	NA	RUL	Yes	NA	BB (myoepithelioma)	Lobectomy	No	NA	4	NRM	(4)
Fulford <i>et al</i> , 2001	UK	56/M	Cough	NA	NA	NA	NA	Yes	NA	BB (adenomyoepithelioma)	Lobectomy	No	NA	60	NRM	(4)
Fulford <i>et al</i> , 2001	UK	57/F	Cough and sputum	NA	NA	NA	LMB	Yes	NA	BB (adenomyoepithelioma)	Pneumonectomy	No	NA	96	NRM	(4)

Fulford <i>et al</i> , 2001	UK	54/F	NA	NA	NA	NA	RML	Yes	NA	BB (adenomyoepithelioma)	Lobectomy	No	NA	84	NRM	(4)
Nguyen <i>et al</i> , 2009	USA	38/M	Chest pain	5	NO	NA	LLL	Yes	NA	NA	Lobectomy	No	No	4	NRM	(6)
Nguyen <i>et al</i> , 2009	USA	48/M	Cough	2.5	NO	NA	RUL	No	NA	NA	Lobectomy	No	No	12	NRM	(6)
Nguyen <i>et al</i> , 2009	USA	52/F	Fever	3	No	NA	LLL	No	NA	NA	Lobectomy	No	No	NA	NA	(6)
Nguyen <i>et al</i> , 2009	USA	54/M	Hemoptysis	3	Yes	NA	RUL	Yes	NA	NA	Lobectomy	No	No	12	NRM	(6)
Nguyen <i>et al</i> , 2009	USA	56/F	Asymptomatic	4.2	No	NA	LMB	Yes	NA	NA	Pneumonectomy	No	No	4	NRM	(6)
Dogana <i>et al</i> , 2003	Turkey	73/M	Cough and dyspnea	4.5	Yes	Diabetes	LLL	Yes	NA	BB	Pneumonectomy	No	No	34	NRM	(7)
Shen <i>et al</i> , 2016	China	58/M	Asymptomatic	1.3 x 1.1 x 1.2	No	NA	LLL	No	NA	NA	NA	No	No	9	NRM	(9)

Hagmeyer <i>et al</i> , 2017	Germany	58/F	Asymptomatic	1.5 x 1.4 x 1.4	No	NA	RUL	No	NA	TB	NA	No	NA	24	NRM	(11)
Jindani <i>et al</i> , 2021	USA	8/M	Asymptomatic	5.0 x 4.5 x 2.5	Yes	NA	LLL	No	NI	NB-FNA (AEC)	Lobectomy	No	NA	NA	NA	(12)
Konoglou <i>et al</i> , 2014	Greece	34/M	Dyspnea and vigorous cough	1.15	Yes	No	LMB	Yes	NA	NA	Segmental	NA	NA	24	NRM	(13)
Mori <i>et al</i> , 2018	Japan	72/M	Asymptomatic	3.0 x 2.5 x 2.0	No	No	LUL	Yes	NA	BB (NSCLC)	Lobectomy	No	NA	47	Dead	(14)

Nishihar <i>et al</i> , 2011	Japan	81/M	Left leg motor weakness	NA	No	History of prostate cancer	NA	NA	NA	NA	No	NA	NA	NA	NA	(15)
Patterson <i>et al</i> , 2020	USA	55/M	Cough, sputum, shortness of breath and chest pain	1.9	Yes	Hypertension	RMB	Yes	NA	NA	ES	No	No	NA	Lost follow-up	(16)
Sharma <i>et al</i> , 2022	India	38/M	Dyspnea	3	No	No	RLL	No	NI	PLB	NA	No	No mutation for ALK, BRAF, EGFR and MET	17	NRM	(17)
Tajima <i>et al</i> , 2015	Japan	72/F	Asymptomatic	3.4 x 4.2 x 3.0	No	No	LLL	Yes	No	TBLB (AC)	Pneumonectomy	No	NA	NA	NA	(18)

Zhang <i>et al</i> , 2023	China	63/F	Hemoptysis	4.5	No	No	RML	No	NA	NA	Lobectomy and wedge	No	NA	34	Metastasis	(20)
Cha <i>et al</i> , 2015	Korea	53/F	Blood-tinged sputum	2.2	No	Diabetes	RML	Yes	HI	BB	Lobectomy	Yes	No	NA	NA	(26)
Chao <i>et al</i> , 2007	Taiwan (China)	43/F	Dyspnea	2	No	Right thyroid goiter surgery	LMB	Yes	NA	BB	CE	No	No	6	NRM	(27)
Kim <i>et al</i> , 2018	Korea	83/F	Mild dyspnoea	0.83 x 0.71	No	No	RML	Yes	NI	BB	No	No	No	NA	NA	(28)
McCracken <i>et al</i> , 2015	UK	52/M	Shortness of breath and stridor	1.2	No	No	NA	Yes	NI	NA	LA	No	No	NA	NA	(29)
Charles <i>et al</i> , 2022	USA	72/F	Asymptomatic	6.0 x 4.2 x 3.5	Yes	Diabetes mellitus, hypertension, hyperlipidemia, and	LUL	Yes	NA	NA	Pneumonectomy	No	Mutation in DNMT3A, APC, STAT3 and KDM5C	12	NRM	(30)

						transient ischemic attack										
Nakashima <i>et al</i> , 2018	Japan	54/F	Asymptomatic	1.5	Yes	Endoscopic resection of colorectal polyps	RML	Yes	NI	BB	Lobectomy	No	KRAS(-) EGFR(-)	36	NRM	(31)
Arif <i>et al</i> , 2012	USA	57/M	Asymptomatic	1.2 x 1.0 x 0.8	Yes	NA	RLL	Yes	LI	NA	Lobectomy	No	NA	NA	NA	(32)
Cho <i>et al</i> , 2014	Korea	51/F	Asymptomatic	3.3 x 2.4 x 1.9	No	No	LUL	No	NI	NA	Lobectomy	No	NA	16	NRM	(33)

Westacott <i>et al</i> , 2013	Australia	64/M	Dyspnea	NA	Yes	Diabetes, hypertension, and atrial fibrillation	RML	Yes	NI	BB	Lobectomy	No	NA	NA	NA	(34)
Huang <i>et al</i> , 2021	China	70/M	Blood in the sputum, chest tightness, throat wheezing	NA	Yes	Hypertension	Trachea	Yes	NA	NA	ES	No	NA	NA	NA	(35)
Doxtader <i>et al</i> , 2019	USA	42/M	Shoulder pain	4	No	NA	LMB	Yes	NA	NA	R and C	No	NA	2.5	Dead	(36)

Doxtader <i>et al</i> , 2019	USA	69/F	Asymptomatic	0.9	Yes	NA	RUL	No	NA	NA	Lobectomy	No	NA	10	NRM	(36)
Shiina <i>et al</i> , 2020	Japan	30/F	Asymptomatic	NA	No	NA	RML	Yes	NA	BB	wedge	No	NA	60	NRM	(37)
Muro <i>et al</i> , 2010	Japan	42/F	Asymptomatic	NA	No	NA	RLL	No	NA	NA	Lobectomy	No	NA	15	NRM	(38)

Rosenfeld <i>et al</i> , 2009	USA	7/M	Abdominal pain, vomiting	3.6 x 3.5 x 3.2 cm	No	No	RLL	Yes	NA	BB	Lobectomy	No	NA	12	NRM	(39)
Muñoz <i>et al</i> , 2011	Spain	76/F	Asymptomatic	2.7	No	No	RUL	No	NA	NA	Pneumonectomy	No	NA	NA	NRM	(40)
PELOSI <i>et al</i> , 2001	Italy	47/M	Hyperpirexya, cough, hemophytosis and chest pain	1.5	No	No	LUL	Yes	NA	NA	Lobectomy	No	NA	6	NRM	(41)

Chang <i>et al</i> , 2007	USA	54/F	Asymptomatic	2.6	NA	NA	RLL	NA	No	NA	Wedge	No	No	31	NRM	(42)
Chang <i>et al</i> , 2007	USA	62/F	Asymptomatic	2.6	NA	NA	LLL	NA	No	NA	Wedge	No	No	14	NRM	(42)
Chang <i>et al</i> , 2007	USA	58/F	Chest pain and shortness of breath	2.6	NA	NA	RML	NA	No	NA	Wedge	No	No	13	NRM	(42)

Chang <i>et al</i> , 2007	USA	57/F	Asymptomatic	0.8	NA	NA	LUL	NA	No	NA	Wedge	No	No	78	NRM	(42)
Chang <i>et al</i> , 2007	USA	52/F	Asymptomatic	1.2	NA	Ameloblastoma of the jaw	RUL	NA	No	NA	Wedge	No	No	5	NRM	(42)
Morgado <i>et al</i> , 2025	Portugal	75/M	Persistent right-sided back pain	4.0 x 2.0 cm	Yes	Hypertension, type 2 diabetes mellitus and dyslipidemia	RUL	Yes	NI (SUVmax 3.6)	NA	Wedge	No	No	12	NRM	(43)

F, female; M, male; NA, not available; BB, bronchoscopic biopsy; RML, right middle lobe; LLL, left lower lobe; LMB, left main bronchus; RMB, right main bronchus; RML, right middle lobe; LUL, left upper lobe; RUL, right upper lobe bronchus; RLL, right lower lobe bronchus; HI, high intake; NI, normal intake; LI, low intake; TB, thoracotomy biopsy; NSCLC, non-small-cell lung cancer; TBLB, transbronchial lung biopsy; AC, atypical cells; PLB, percutaneous lung biopsy; AEC, atypical epithelial cells; NB-FNA, navigational bronchoscopy with fine needle aspiration; CE, curative electrosurgery; ES, electrocautery snare; LA, laser ablation therapy; R and C, radiotherapy and chemotherapy; NRM, no recurrence and metastasis.