

Supplementary

Table S1 Summary of the reported cases with hemoptysis during pregnancy

Ref	First author	Patient no.	Age (year)	Gestational age	Symptoms	Diagnosis	Treatment					Time of delivery	Ventilation		Prognosis and follow-up				
							Conservative therapy	Flexible bronchoscopy	Rigid bronchoscopy	BAE	Other		Mode of delivery	Endotracheal intubation	Intubation time	Mother	Fetus	Hospitalization time (ICU)	Follow-up time
(19)	Stiff A	1	31	26 weeks and 5 days	Hemoptysis Shortness of breath	Pertussis	Antibiotics	Yes	No	No	VV-ECOM	Cesarean delivery	27 weeks and 4 days due to worsening blood pressure	Yes	18 days	No further hemoptysis	Healthy	NM (18 days)	NM
(20)	Blitz MJ	2	23	17 weeks	Cough with hemoptysis, shortness of breath, seizure	Active SLE	Antibiotics methylprednisolone Therapeutic plasma exchange	Yes	No	No	None	Termination of pregnancy	17 weeks	Yes	NM	No further hemoptysis, Continued seizure and headaches	None	Intermittent hospitalization	NM
(21)	Ng VV	3	33	32 weeks	Impending eclampsia, frontal headache, epigastric pain, and hypertension. Hemoptysis during the cesarean delivery.	DAH with SLE	Fresh frozen plasma, pooled platelets, prednisolone, hydroxychloroquine	Yes	No	No	Chest physiotherapy, right lateral positioning, ETT suctioning	Cesarean section	32 weeks	Yes	1 day	No further hemoptysis	NM	NM (3 days)	NM
(22)	Labuschagne H	4	33	7 weeks	Hemoptysis	Coccidioidomycosis	Fluconazole	Yes	No	Yes	NM	Spontaneous abortion	None	No	None	No further hemoptysis	Spontaneous abortion	NM	8 years
(23)	Kesrouani A	5	35	27 weeks	Hemoptysis and severe dyspnea	Tracheal Mucoepidermoid Carcinoma	None	Yes	Yes	No	Argon-Plasma Coagulation under rigid bronchoscopy	Cesarean section	39 weeks	Yes	NM	No further hemoptysis	Healthy	NM	5 years
(24)	Nguyen P	6	30	19 weeks	Sore throat, rhinorrhea and hemoptysis	Influenza A	Oseltamivir	Yes	Yes	No	Right lower lobectomy	NM	40 weeks	Yes	24 h	No further hemoptysis	Healthy	NM	NM
(25)	Gwinyai Masukume	7	33	18 weeks	Shortness of breath and hemoptysis	Tuberculosis	Anti-tuberculosis treatment	No	Yes	No	None	Spontaneous labor	41 weeks	No	None	No further hemoptysis	Healthy	NM	10 months
(26)	Binesh F	8	28	34 weeks	Hemoptysis and chronic cough with blood-tinged sputum	Pulmonary carcinoid tumour	None	Yes	No	No	Surgical resection after delivery	Cesarean section	38 weeks	No	None	No further hemoptysis	Healthy	NM	6 months
(27)	Desgranges	9	21	22 weeks	Hemoptysis and preeclampsia	Idiopathic haemoptysis probably with a hormonal role	None	Yes	No	Yes	None	Cesarean section	36 weeks	Yes	NM	No further hemoptysis	Healthy	NM	1 month
(28)	Martines F	10	32	23.2 weeks	Hemoptysis	Arteriovenous malformation of the base of tongue	None	No	No	No	Tracheostomy, ligation of the external carotid artery	Induction of labour	26 weeks	No	None	No further haemoptysis	NM	NM	NM
(29)	Tao H	11	31	36 weeks	Hemoptysis	Mucoepidermoid carcinoma	None	Yes	No	No	Sleeve resection of the left main bronchus, lymph node dissection	Emergency caesarean section	36 weeks	No	None	No further haemoptysis	Healthy	NM	3 years
(30)	Peyrat E	12	32	17weeks	Hemoptysis	Idiopathic haemoptysis probably with a hormonal role	Oral tranexamic acid, terlipressin infusion, epinephrine nebulization	No	Yes	Yes	None	NM	Full-term	No	None	No further haemoptysis	Healthy	NM	2 years
		13	19	16weeks	Hemoptysis		None	No	Yes	Yes	None	NM	NM	Yes	12h	No further haemoptysis	Healthy	NM	6 months
		14	27	24weeks	Hemoptysis		None	Yes	No	Yes	None	NM	NM	No	None	No further haemoptysis	Healthy	NM	10 months
(31)	Downs TW	15	26	19 weeks	Hemoptysis	Infective endocarditis	Intravenous antibiotics	Yes	No	Yes	None	Vaginal delivery	39 weeks	No	None	No further haemoptysis	Healthy	NM	6 weeks
(32)	Rocha MP	16	26	28 weeks	Hemoptysis	Takayasu's Arteritis	Prednisone	Yes	No	No	Carotid surgery, thoracic aortic aneurysm resection	Vaginal delivery	35 weeks	No	None	Died due to postoperative complications	Healthy	7 weeks	NM
(33)	Salamat	17	23	28 weeks	Hemoptysis and dyspnea	Pulmonary artery sarcoma	Heparin	Yes	No	No	None	Emergency cesarean delivery due to loss of fetal heart tones	30 weeks	No	None	Died 12 hours postpartum	Stillborn	12 days	None
(34)	Liaw YS	18	24	22 weeks	Dyspnea and hemoptysis	Choriocarcinoma	Chemotherapy	No	No	No	Hysterectomy	NM	None	No	None	No further hemoptysis	Intrauterine death	NM	NM
(35)	DePace	19	27	37 weeks	Hemoptysis	Bronchiectasis.	Dexamethasone	Yes	Yes	No	Advanced CPR, left pneumonectomy	Cesarean delivery	37 weeks	Yes	NM	No further hemoptysis	Healthy	NM	20 months
(36)	FULTON	20	19	4 months	Hemoptysis	Mitral stenosis.	Blood transfusion, penicilin	No	No	No	Mitral commissurotomy	Vaginal delivery	Full-term	No	None	Yes	NM	NM	NM
(37)	Wispelaere JF	21	31	10 weeks	Hemoptysis, transient loss of consciousness, tachycardia	Osler-Weber-Rendu syndrome	NM	Yes	No	No	Right lower lobectomy	Termination of pregnancy	None	No	None	NM	None	NM	NM

NM: Not mentioned.

References

19. Stiff A, Harrison R, Palatnik A. Case report of massive hemoptysis in pregnancy requiring veno-venous extracorporeal membrane oxygenation. *J Obstet Gynaecol Res*. 2019
20. Blitz MJ, Fleischer A. Severe Maternal Morbidity Associated with Systemic Lupus Erythematosus Flare in the Second Trimester of Pregnancy. *Case Rep Obstet Gynecol*. 2018 May
21. Ng VV, Shah MK, Oh TT, et al. Massive Hemoptysis Through Endotracheal Tube During Emergency: A Case Report and Literature Review. *AA Case Rep*. 2017 Sep 1
22. Labuschagne H, Burns C, Martinez S. Coccidioidomycosis in pregnancy: Case report and literature review of associated placental lesions. *Case Rep Womens Health*. 2016 Oct 20
23. Kesrouani A, Dabar G, Rahal S, et al. Treatment of tracheal mucoepidermoid carcinoma by argon plasma coagulation. *Int Surg*. 2015 May
24. Nguyen P, Weber F, Mahone M. A 30-year-old pregnant patient with massive haemoptysis and influenza A: Atypical presentation of a common pathogen. *Obstet Med*. 2013 Dec
25. Gwinyai Masukume, Elton Sengurayi, Phinot Moyo. Massive hemoptysis and complete unilateral lung collapse in pregnancy due to pulmonary tuberculosis with good maternal and fetal outcome: a case report.
26. Binesh F, Samet M, Bovanlu TR. A case of pulmonary carcinoid tumour in a pregnant woman successfully treated with bronchoscopic (electrocautery) therapy. *BMJ Case Rep*. 2013 Apr 22
27. Desgranges FP, Berthelot AL, Gamondes D, et al. Massive recurrent haemoptysis in a pregnant woman with preeclampsia.
28. Martines F, Immordino V. Arteriovenous malformation of the base of tongue in pregnancy: case report. *Acta Otorhinolaryngol Ital*. 2009 Oct
29. Tao H, Sano Y, Yamane M, et al. Bronchial mucoepidermoid carcinoma with recurrent hemoptysis in a pregnant. *Surg Today*. 2008
30. Peyrat E, Chabbert V, Escamilla R. Idiopathic hemoptysis in pregnant women: A distinct entity? *Respir Med*. 2007 Oct
31. Downs TW, Chao CR. Massive hemoptysis in pregnancy treated with bronchial artery embolization. *Am J Perinatol*. 1997 Jan
32. Rocha MP, Guntupalli KK, Moise KJ Jr, et al. Massive Hemoptysis in Takayasu's Arteritis During Pregnancy. *Chest*. 1994 Nov.
33. Salamat SM, Landy HJ, O'Sullivan MJ. Pulmonary artery sarcoma in a pregnant woman: report of a case. *Obstet Gynecol*. 1994 Oct
34. Liaw YS, Yang PC, Yuan A. Ultrasonography and color Doppler imaging of metastatic pulmonary choriocarcinoma. *Chest*. 1993 Nov;104(5):1600-1.
35. DePace NL, Betesh JS, Kotler MN. Postmortem' cesarean section with recovery of both mother and offspring. *JAMA*. 1982 Aug 27
36. Fulton WF, Smith G. Severe hemoptysis during pregnancy treated by mitral commissurotomy. *Circulation*. 1958 Feb;17(2):204-7.
37. Wispelaere JF, Trigaux JP, Weynants P. Systemic supply to a pulmonary arteriovenous malformation: potential explanation for recurrence. *Cardiovasc Intervent Radiol*. 1996 Jul-Aug;19(4):285-7.