Table S3: Non-surgical management of endobronchial Dieulafoy’s disease

|  |  |  |  |
| --- | --- | --- | --- |
| Modality | Number of patients (ref) | Success rate, n/N (%) | Remarks |
| Bronchial artery embolization (total) | 31 | 13/31 (41.9) |  |
|  Technical failure  |  12 [1, 7, 11, 12, 17, 22, 24] |  |  |
|  Successful (no follow-up details available) |  8 [8, 15, 20, 21, 23, 26, 28] |  | No follow-up available |
|  Successful and followed up |  3 [4, 30, 31] |  | 5 [30] and 12 months[4, 31] follow-up  |
|  Successful and treated with surgery immediately |  2 [11] |  |  |
|  Recurrence |  5 [6, 11, 19, 32, 33] |  | Early recurrence [11, 33], or at 3[19] and 12 months[6]. Recurrence in the contralateral side after two weeks.[32]  |
|  After surgery to prevent future recurrence |  1 [8] |  |  |
| Bronchoscopic modalities  |
|  Nd:YAP laser | 3 [24, 32] | 2/3 (66.7) | No recurrence at 4 [32] and 36 months[24].Bleeding stopped spontaneously ten minutes after attempted Laser therapy. [32] |
|  APC | 3 [18, 27] (index case 2) | 3/3 (100) | No recurrence till 6[27] and 24 months[18] |
|  Diathermy | 1 [1] | 0 |  |
|  Cryotherapy and Dumon silicon stent | 1 [9] | 1/1 (100) | No recurrence at 8 months |

APC – argon plasma coagulation; Nd:YAP laser - Neodymium: Yttrium-Aluminum-Perovskite laser

**REFERENCES**

1 Sweerts M, Nicholson AG, Goldstraw P, Corrin B: Dieulafoy's disease of the bronchus. Thorax 1995;50:697-698.

2 Van Der Werf TS, Timmer A, Zijlstra JG: Fatal haemorrhage from Dieulafoy's disease of the bronchus. Thorax 1999;54:184-185.

3 Stoopen E, Baquera-Heredia J, Cortes D, Green L: Dieulafoy's disease of the bronchus in association with a paravertebral neurilemoma. Chest 2001;119:292-294.

4 Hope-Gill B, Prathibha BV: Bronchoscopic and angiographic findings in Dieulafoy's disease of the bronchus. Hosp Med 2002;63:178-179.

5 Bhatia P, Hendy MS, Li-Kam-Wa E, Bowyer PK: Recurrent embolotherapy in Dieulafoy's disease of the bronchus. Can Respir J 2003;10:331-333.

6 Kuzucu A, Gurses I, Soysal O, Kutlu R, Ozgel M: Dieulafoy's disease: a cause of massive hemoptysis that is probably underdiagnosed. Ann Thorac Surg 2005;80:1126-1128.

7 Pomplun S, Sheaff MT: Dieulafoy's disease of the bronchus: An uncommon entity [7]. Histopathology 2005;46:598-599.

8 Löschhorn C, Nierhoff N, Mayer R, Zaunbauer W, Neuweiler J, Knoblauch A: Dieulafoy's disease of the lung: A potential disaster for the bronchoscopist. Respiration 2006;73:562-565.

9 Fields EL, De Keratry DR: Dieulafoy disease of the bronchus: Case report and presentation of a novel therapeutic modality. Journal of Bronchology 2008;15:107-109.

10 Gharagozloo F, Rennert D, Margolis M, Tempesta B, Schwartz A, Cole V, Wang KP: Dieulafoy lesion of the bronchus: Review of the literature and report of the 13th case. Journal of Bronchology 2008;15:38-40.

11 Parrot A, Antoine M, Khalil A, Theodore J, Mangiapan G, Bazelly B, Fartoukh M: Approach to diagnosis and pathological examination in bronchial Dieulafoy disease: a case series. Respir Res 2008;9:58.

12 Kang YR, Lee JW, Jeon HJ, Lee SY, Cha SI, Park TI, Park JY, Jung TH, Kim CH: A Case of Massive Hemoptysis due to Dieulafoy's Disease of the Bronchus. Tuberculosis and Respiratory Diseases 2009;66:58-61.

13 D'Souza F, Sharma R: Dieulafoy's disease of the bronchus. Pathology 2010;42:683-684.

14 Gurioli C, Casoni GL, Gurioli C, Tomassetti S, Romagnoli M, Ravaglia C, Poletti V: Endobronchial ultrasound in Dieulafoy's disease of the bronchus: an additional application of EBUS. Monaldi Arch Chest Dis 2010;73:166-168.

15 Barisione EE, Ferretti GG, Ravera SS, Salio MM: Dieulafoy's disease of the bronchus: a possible mistake. Multidiscip Respir Med 2012;7:40.

16 Kolb T, Gilbert C, Fishman EK, Terry P, Pearse D, Feller-Kopman D, Yarmus L: Dieulafoy's disease of the bronchus. Am J Respir Crit Care Med 2012;186:1191.

17 Smith B, Hart D, Alam N: Dieulafoy's disease of the bronchus: a rare cause of massive hemoptysis. Respirol Case Rep 2014;2:55-56.

18 Dalar L, Sokucu SN, Ozdemir C, Buyukkale S, Altin S: Endobronchial argon plasma coagulation for treatment of Dieulafoy disease. Respir Care 2015;60:e11-13.

19 Ganganah O, Guo S, Chiniah M, Sah SK, Wu J: Endobronchial ultrasound and bronchial artery embolization for Dieulafoy's disease of the bronchus in a teenager: A case report. Respir Med Case Rep 2015;16:20-23.

20 Lin C, Ginsburg M, Kuo W, Sung AW: Dieulafoy's lesion of the bronchus: More than meets the eye. Am J Respir Crit Care Med 2015;191

21 Padilla-Serrano A, Estrella-Palomares V, Martinez-Palacios B, Gonzalez-Spinola J: A case of massive hemoptysis related to a smoking-history: an acquired form of the Dieulafoy's disease? Revista portuguesa de pneumologia 2015;21:276-279.

22 Xia XD, Ye LP, Zhang WX, Wu CY, Yan SS, Weng HX, Lin J, Xu H, Zhang YF, Dai YR, Dong L: Massive cryptogenic hemoptysis undergoing pulmonary resection: clinical and pathological characteristics and management. Int J Clin Exp Med 2015;8:18130-18136.

23 Jin W: The application of EBUS in the bronchi dieulafoy's disease. Respirology 2016;21:50.

24 Raksasagulwong P, Tscheikuna J, Bespinyowong P: Dieulafoy lesion of bronchus with successful laser coagulation : A case report. Respirology 2016;21:158.

25 Viola P, Amat Villegas I, Dusmet M, Nicholson AG, Montero Fernandez MA: Dieulafoy's disease of the airways: a comprehensive review of a rare entity. Histopathology 2016;69:886-890.

26 Hadjiphilippou S, Shah PL, Rice A, Padley S, Hind M: Bronchial Dieulafoy Lesion. A 20-Year History of Unexplained Hemoptysis. Am J Respir Crit Care Med 2017;195:397.

27 Madan K, Dhungana A, Hadda V, Mohan A, Guleria R: Flexible bronchoscopic argon plasma coagulation for management of massive hemoptysis in bronchial Dieulafoy's disease. Lung India 2017;34:99-101.

28 Makkar P, Potter LT, Smina M, Chiong B: Hemoptysis: A case of bronchial dieulafoy. Am J Respir Crit Care Med 2017;195

29 Wadji MB, Farahzadi A: Dieulafoy's disease of the bronchial tree: a case report. Sao Paulo Med J 2017;135:396-400.

30 Yang D, Rong C, Gu J, Xu L, Zhang J, Zhang G, Shen C: Dieulafoy disease of the trachea with recurrent episodes of massive hemoptysis: A case report. Medicine (Baltimore) 2017;96:e5855.

31 Foo AZX, Hsu AAL: Dieulafoy’s disease with mediastinal arteriovenous malformation. Thorax 2018

32 Sheth HS, Maldonado F, Lentz RJ: Two cases of Dieulafoy lesions of the bronchus with novel comorbid associations and endobronchial ablative management. Medicine (Baltimore) 2018;97:e9754.

33 Bonnefoy V, Garnier M, Tavolaro S, Antoine M, Assouad J, Fartoukh M, Gibelin A: Bronchial Dieulafoy's Disease: Visualization of Embolization Particles in Bronchial Aspirate. Am J Respir Crit Care Med 2018

34 Minchole E, Penin RM, Rosell A: The Utility of Linear Endobronchial Ultrasound for the Incidental Finding of Dieulafoy Disease of the Bronchus. Journal of bronchology & interventional pulmonology 2018;25:e48-e50.

35 Savale L, Parrot A, Khalil A, Antoine M, Theodore J, Carette MF, Mayaud C, Fartoukh M: Cryptogenic hemoptysis: from a benign to a life-threatening pathologic vascular condition. Am J Respir Crit Care Med 2007;175:1181-1185.