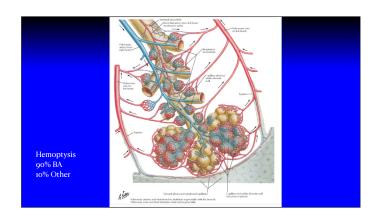
Endovascular Options For The control Of Submissive and Massive Hemoptysis: It Is Lifesaving: Coils Are Required

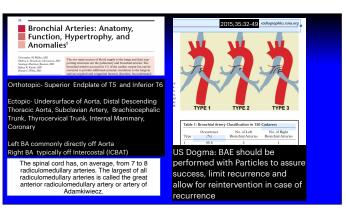
Jacob Cynamon, MD Montefiore Medical Center/ AECOM Division of VIR

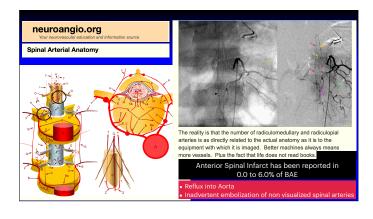


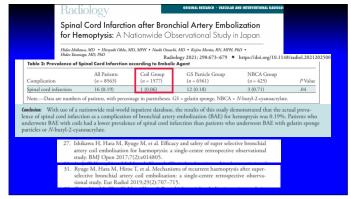
Causes of Hemoptysis

- Tertiary Referral Centers: Bronchiectasis, Infection, Lung Ca
- Developing Countries: Tuberculosis and its Segulae
- Additional causes: Sarcoidosis, Autoimmune Dis, Coagulopathies, Pul AVMs, Pul Pseudo-aneurysms/aneurysms, PE
- Cryptogenic Hemoptysis- No known cause (20%)









Mechanisms of recurrent haemoptysis after super-selective bronchial artery coil embolisation: a single-centre retrospective observational study

Misaki Ryuge ¹ • Masahiko Hara ² • Takanori Hiroe ³ • Naoki Omachi ¹ • Shojiro Minomo ⁴ • Kazushi Kitaguchi ¹ • Mihoko Youmoto ¹ • Norihiro Asakura ¹ • Yasushi Sakata ⁵ • Hideo Ishikawa ¹

Conclusions Recanalisation was the most common mechanism of recurrent haemoptysis after ssBACE. Our results provide interventionists with indispensable insights. Key Points

- Recanalisation was the most common mechanism of recurrent haemoptysis after super-selective bronchial artery coil embo-
- lisation, followed by development of new haemophysis-related arteries

 *These trends could be modified in several situations such as with antiplatelet or anticoagulant medications

 *Recurrent haemophysis could be managed by 2nd series super-selective bronchial artery coil embolisation with a procedural success rate of 97.7% without any major complications.
- Ryuge M, Hara M, Hiroe T, et al. Mechanisms of recurrent haemoptysis after super-selective bronchial artery coil embolisation: a single-centre retrospective observa-tional study. Eur Radiol 2019;29(2):707–715.

Revisiting Spinal Cord Infarction after Bronchial Artery Embolization

From: Jacob Cynamon, MD Division of Vascular and Interventional Radiology Montefiore Medical Center 111 East 210th St. Bronx, NY 10467

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i.org/10.1016/j.jvir.2023.03.007

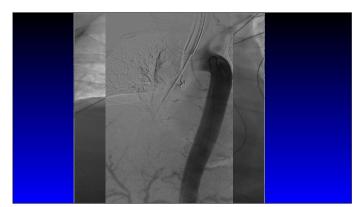
Author's Response: Revisiting Spinal Cord Infarction after **Bronchial Artery Embolization**

From: Hideo Ishikawa, MD Yu Yamaguchi, MD Hemoptysis and Pulmonary-Circulation Center Eishinkai Kishiwada Rehabilitation Hospital 2-8-10, Kamimatsu-cho, Kishiwada-City Osaka 596-0827, Japan

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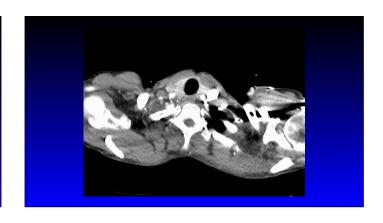
- US Dogma: Bronchial artery embolization for hemoptysis- Do not use Coils
- Consider changing the Dogma- Based on the above studies:
 If coils control hemoptysis and recurrent hemoptysis and the incidence of spinal infarcts are truly lower, why not use Coils

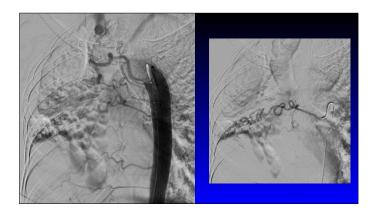




Improved Coil Embolization Technology

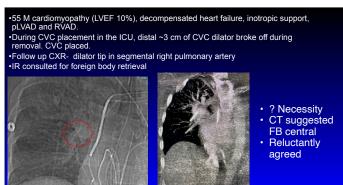
Microcatheters Coils Packing coils



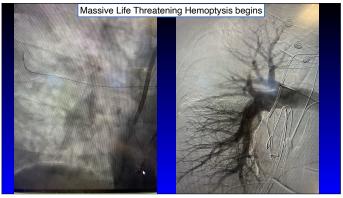




















Conclusions

- Bronchial Artery Angio/Embolization is an important intervention in the management of Hemoptysis
- Spinal Ischemia is the most feared complication
- We should reconsider (re-evaluate) the best/safest embolic agent
- New Coil technology allows us to treat primary and recurrent hemoptysis successfully with the least risk of Spinal Ischemia
- Do not use straight or angled glide wires in PA, Always use tight J wire

