

Cerebral Hemorrhage and Coiling of Pulmonary Vessels

Roni B. Idan MD, Steven D. Hajdu MD and Nancy Agmon-Levin MD

Department of Medicine B & Center for Research of Autoimmune Diseases, Sheba Medical Center, Tel Hashomer, Israel

KEY WORDS: cerebral hemorrhage, pulmonary vessels

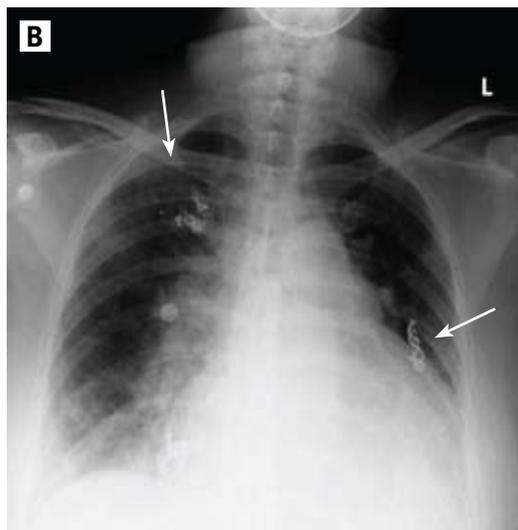
IMAJ 2009; 11: 706

A 70 year old woman was brought to the emergency department unconscious with a Glasgow coma score of 4. A cranial non-contrast computed tomography scan revealed right intraparenchymal bleeding in the frontotemporal region with ventricular

involvement as well as subarachnoid hemorrhage in the right sylvian fissure causing a sub-falcine herniation and 2 cm midline deviation and herniation of the third ventricle [Figure A]. Chest X-ray demonstrated blunting of the left costophrenic angle, enlarged cardiac shadow and the presence of endovascular coils in the upper zones bilaterally and in the right lower zone [Figure B, arrows].

Forty-years before admission, she was diagnosed with Osler-Weber-Rendu disease. Osler-Weber-Rendu

disease is a rare multisystemic fibrovascular dysplasia of dominant autosomal inheritance [1], clinically characterized by recurrent telangiectasia and arteriovenous malformations [2]. Twenty years later she underwent left lower lung lobectomy, catheterization and coiling of vessels in both lungs [Figure B, arrows]. Fourteen years before the current admission she presented with diplopia, revealing a cerebral arteriovenous malformation that was subsequently treated with radiosurgery. Unfortunately, at the latest admission the patient's arteriovenous malformation went undiagnosed until it ruptured, leading to her death 3 days later.



Correspondence:

Dr. N. Agmon-Levin

Dept. of Medicine B, Sheba Medical Center,
Tel Hashomer 52621, Israel

Phone: (972-3) 530-2652

Fax: (972-3) 535-2855

email: Nancy.Agmon-Levin@sheba.health.gov.il

References

- Colotto M, Castellano V, Anatra GM, Borgia MC. Hereditary hemorrhagic telangiectasia: the state of the art. *Clin Ter* 2007; 158: 253-60.
- Pollak L, Strauss S, Sanset S, Peer A, Tishler M. Acute confusion in an elderly woman with Rendu-Osler-Weber disease. *IMAJ Isr Med Assoc J* 2006; 8: 886-7.