

# When a rare condition keeps causing strokes — until intervention changes the outcome.

Some patients arrive carrying a diagnosis most clinicians rarely encounter. **HHT, or Hereditary Haemorrhagic Telangiectasia, is a genetic condition that causes abnormal blood vessel formations throughout the body.**



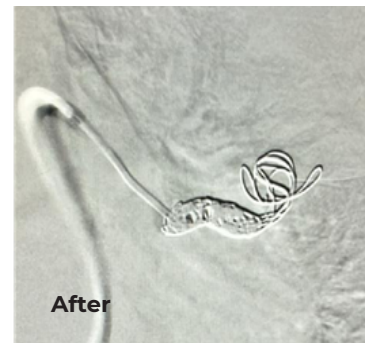
The Interventional Radiology service at Melomed Gatesville is delivered through a collaborative partnership between Melomed Private Hospitals and Morton & Partners. Together, our multidisciplinary team combines advanced imaging technology, specialist expertise, and patient-centred care to provide precise, minimally invasive treatment options.

Some patients arrive carrying a diagnosis most clinicians rarely encounter. HHT, or Hereditary Haemorrhagic Telangiectasia, is a genetic condition that cause abnormal blood vessel formations throughout the body. In the lungs, these malformations - known as pulmonary AVMs - act as dangerous shortcuts, allowing venous blood clots to bypass the capillary filtration system entirely and travel directly to the cerebral circulation. The result is a pattern of recurrent, devastating cryptogenic strokes. This was exactly the clinical challenge facing our team at Melomed Gatesville.

**The multidisciplinary team at Melomed Gatesville, in collaboration with the Interventional Radiology specialists from Morton & Partners, identified two high-risk pulmonary AVMs directly responsible for the patient's recurrent neurological events. Led by Dr Ebrahim Kader and Dr Yusuf Parak, the team utilised advanced digital subtraction angiography to navigate a microcatheter through the heart and pulmonary vasculature. Both malformations were successfully treated in a single session using targeted embolic coils. This highly specialised procedure was performed through a micro-incision, eliminating the need for open thoracic surgery.**

The attached DSA imaging demonstrates the exact moment of targeted occlusion - the abnormal shunt is permanently closed, and normal pulmonary perfusion is restored.

**Outcomes of this magnitude are made possible only through the clinical precision, advanced imaging infrastructure, and exceptional multidisciplinary environment at Melomed Gatesville - an institution enabling true tertiary-level interventional radiology right here in Cape Town.**



For bookings and referrals, contact the Interventional Radiology unit by emailing [cathlab@morton.co.za](mailto:cathlab@morton.co.za) or contacting Gatesville branch directly on 021 637 8121