Diagnosis and misdiagnosis of HHT

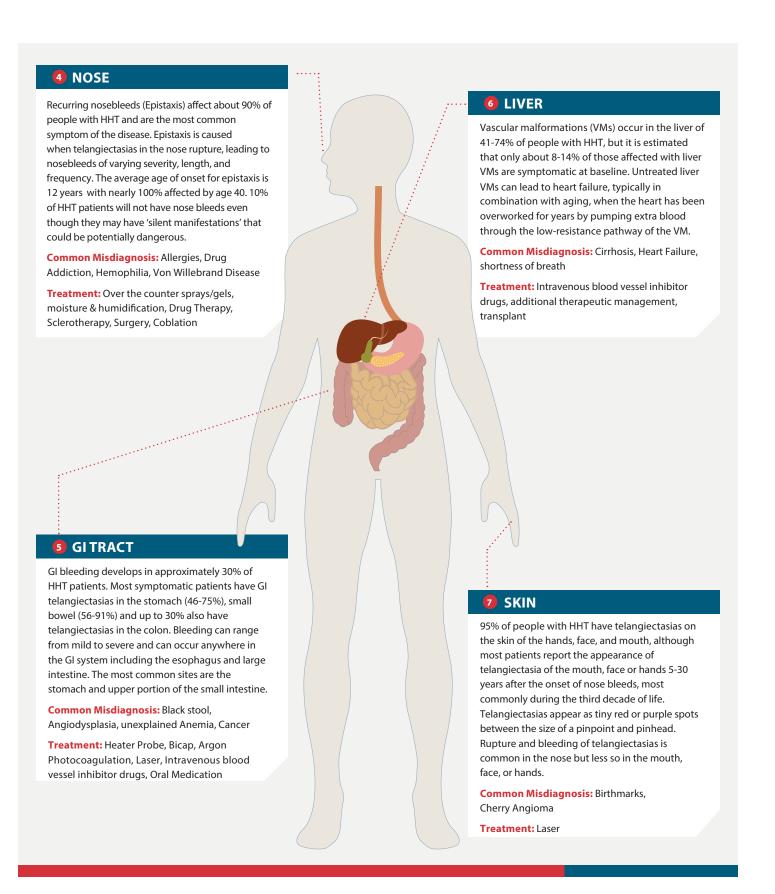
Treatment: Endovascular Embolization

Hereditary Hemorrhagic Telangiectasia (HHT), also sometimes referred to as Osler-Weber-Rendu (OWR), is a genetic disorder of the blood vessels affecting approximately 1 in 5,000 people totaling 1.4 million worldwide. While HHT affects specific areas or organs of the body, it's important to understand the potential impact on other aspects of life as well. To ensure the best possible health for you or your loved ones, remember to consider how HHT might impact or cause the following: aging, pregnancy, iron deficiency, genetic testing, anemia.



As HHT symptoms are ofter mistaken for other conditions, knowing the common misdiagnoses can lead to faster identification and significant improvements in quality of life.

1 BRAIN AFFECTED ORGANS Up to 23% of people with HHT will harbor vascular HHT does not affect every individual in malformations (VMs) in the brain, and in most the same way. Some people may have cases can be successfully treated. If left untreated, symptoms in several different parts of brain VMs can be disabling or deadly, and because the body, while some may show hardly they often have no symptoms prior any symptoms at all. to bleeding, the HHT International Guidelines **BRAIN** recommend brain screening for anyone 2 LUNGS diagnosed with HHT, even infants and during developmental growth periods until age 21. SPINE Common Misdiagnosis: Aneurysm, Cerebral NOSE Hemorrhage, Epilepsy, Abscess, Migraine, Stroke **GASTROINTESTINAL (GI)** Treatment: Embolization, Radiation, LIVER Surgical Removal SKIN LUNGS At least 40% of people with HHT have arteriovenous malformations (AVMs) in the lungs. The prevalence of pulmonary AVMs varies with the type of HHT: pulmonary AVMs are found in about 50% of patients with HHT1 (Endoglin) SPINE and in about 10% of patients with HHT2 (ACVRL1 Spinal vascular malformations (VMs) are rare, or ALK1). PAVMs are at higher risk of rupturing affecting only about 0.5% of HHT patients. They when blood volume in the body increases (i.e. can cause back pain and sometimes lead to loss of during pregnancy). Until PAVMs are excluded by feeling or mobility in an arm or leg. If untreated, testing, a person over the age of 10 with known spinal VMs can lead to further motor or sensory or suspected HHT should take antibiotics before deficit, aneurysm, and high blood pressure. all dental work or medical procedures that could introduce bacteria to the blood stream. Common Misdiagnosis: Scoliosis, Stroke Common Misdiagnosis: Asthma, Alzheimer's Treatment: Endovascular Embolization, surgery, Disease, Lung Disease, Tumor, Stroke, **Radiation Therapy** Polycythemia, shortness of breath, coughing up blood, Infertility, Patent Foramen Ovale (PFO), Migraines, Brain Abscess, Stroke





Cure HHT offers resources for managing these potential aspects of an HHT diagnosis. Fact Sheets and other resources for understanding and managing the different manifestations of HHT are available at: curehht.org/resource-library/







