

ABOUT KTS, A PROS CONDITION

**Klippel-Trenaunay
Syndrome**

What is **KTS**?

- ▶ KTS is a PROS condition that is generally characterized by capillary and vascular malformations, including port-wine stains, as well as bone, limb, and tissue overgrowth
- ▶ Most people with KTS are born with the condition. It is not hereditary

Different Conditions, One Common Cause – PROS

- ▶ PROS, or PIK3CA-Related Overgrowth Spectrum, is a wide-ranging spectrum of disorders caused by a mutation in the PIK3CA gene
- ▶ PROS conditions are rare and diverse, and are typically characterized by atypical growths and anomalies in the blood vessels and lymphatic system
- ▶ PROS conditions can look different from each other in size, shape, and type of growth or malformation based on where in the body the mutation is found

What are features of **KTS**?

KTS is different for each person and ranges in severity. Most people living with KTS do not have every sign associated with the condition.

These features may include:

- Port-wine stains (capillary malformations that present as pink patches on the skin, usually limited to a limb)
- Slow-flow vascular and lymphatic malformations, such as enlarged bones and/or soft tissue
- Varicose veins in the affected limb
- Limb may be larger or smaller than unaffected limbs

KTS Diagnosis



- ▶ Because KTS has observable features, it often can be diagnosed through a physical exam, imaging, and/or medical history
- ▶ Additionally, there are tissue tests to identify the presence of a PIK3CA mutation
- ▶ However, a negative test result does not rule out having a PROS condition as mutations can be difficult to detect

KTS Management



- ▶ Managing KTS can be challenging and typically requires collaboration from a multidisciplinary team
- ▶ Like other PROS conditions, there are few management options for KTS
- ▶ Some options, such as surgery, address symptoms and manifestations rather than the root cause of the disease

Find resources and support for people with KTS and their families by visiting:

▶ www.k-t.org*

▶ understandingpros.com

* This link takes you to an external website that is independently operated and not managed by Novartis Pharmaceuticals Corporation. Novartis assumes no responsibility for the site.