

Medical areas of research



Following the science has led us to
4 bold treatment platforms



which allows us to attack cancer from all angles.

4 Bold Platforms Video

Look to the root of the overgrowth to understand PROS (PIK3CA-Related Overgrowth Spectrum)

PROS is a broad-ranging spectrum of overgrowth disorders, including KTS, CLOVES syndrome, LM, MCAP or NCM, Wels, and others. All PROS disorders share a common link—PIK3CA mutation.^{1,2}

[Learn about PROS](#)

Look to the root of the overgrowth to understand PROS (PIK3CA-Related Overgrowth Spectrum)

PROS is a broad-ranging spectrum of overgrowth disorders caused by PIK3CA mutations¹

The classification "PROS" was established by the National Institutes of Health in 2016 to unite a group of overgrowth disorders based on their shared genomic cause.

The clinical presentation of PROS is highly variable, with respect to the extent, tissue specificity or placodes, tissue types, affected organs, and anatomical locations of the overgrowth.²

PROS features broadly include:

- OVERGROWTH (i.e., adipose, muscle, nerve, or skeletal tissue)
- VASCULAR MALFORMATION, including capillary, venous, arteriovenous, or lymphatic effects
- SKIN LESIONS

Overgrowths are not always overt. Vascular malformations, for example, may not be externally apparent. Nonetheless, they represent a significant medical concern.²

Do your patients have any of the following disorders associated with PROS?^{3,4}

KTS (tessio-thoracic syndrome)	PAVA (phakomatous Vascular Anomaly)
CLOVES syndrome (congenital lipomatous overgrowth, vascular malformations, epidermal nevi, scoliosis/skeletal and spinal)	Hemimelectry
LM (localized lymphatic malformations)	Macular HIR (hemiplegic)
MCAP or NCM (mesenchymal capillary malformations)	FAO (fibroadipose hyperplasia or overgrowth)
WMS (Werner-Magell-Eisenberg-DRES-Dysplasia)	CLAVO syndrome (clavicular malformation of the lower limb)
MCAP or NCM (mesenchymal capillary malformations)	WMS (Werner-Magell-Eisenberg-DRES-Dysplasia)
WMS (Werner-Magell-Eisenberg-DRES-Dysplasia)	Epidermal nevi, benign Schenckoid keratosis, or sebomelic keratosis
FL (facial infiltrating lipomatosis)	

Other disorders may be identified and characterized as PROS.

Visit PROSpectrum.com to learn more.

Find more information below

- Discover why your condition may group under the name PROS
- See how PIK3CA mutations cause PROS
- Learn about your PROS condition
- Understand how PROS is diagnosed
- Current PROS management
- Access useful resources

PIK3CA-Related Overgrowth Spectrum, or PROS, conditions:

- KTS (tessio-thoracic syndrome)
- CLOVES syndrome (congenital lipomatous overgrowth, vascular malformations, epidermal nevi, scoliosis/skeletal and spinal)
- LM (localized lymphatic malformations)
- MCAP or NCM (mesenchymal capillary malformations)
- WMS (Werner-Magell-Eisenberg-DRES-Dysplasia)
- FL (facial infiltrating lipomatosis)
- FAO (fibroadipose hyperplasia or overgrowth)
- CLAVO syndrome (clavicular malformation of the lower limb)
- Epidermal nevi, benign Schenckoid keratosis, or sebomelic keratosis

[Learn more](#)



Contact Us