

VASCULAR ANOMALIES CENTER

# Multidisciplinary Approaches to Vascular Anomalies (MAVA)

An International Web Series

In Partnership with The Hendren Project

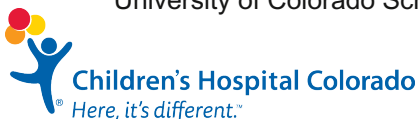
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Affiliated with  
University of Colorado  
Anschutz Medical Campus

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Guest speakers:

**Dr. Pat Burrows, Interventional Radiology**



# Mission Statement

- 1 To increase awareness of and advocate for pediatric patients with vascular anomalies
- 2 To understand how to establish proper diagnosis and treatment of pediatric vascular anomalies
- 3 To create an international forum for debate, discussion and dialog

# International Society for the Study of Vascular Anomalies (ISSVA) (www.issva.org)

Vascular anomalies				
Vascular tumors	Vascular malformations			
	Simple	Combined °	of major named vessels	associated with other anomalies
<a href="#">Benign</a>	<a href="#">Capillary malformations</a>	<a href="#">CVM, CLM</a>	<a href="#">See details</a>	<a href="#">See list</a>
<a href="#">Locally aggressive or borderline</a>	<a href="#">Lymphatic malformations</a>	<a href="#">LVM, CLVM</a>		
	<a href="#">Venous malformations</a>	<a href="#">CAVM*</a>		
	<a href="#">Arteriovenous malformations*</a>	<a href="#">CLAVM*</a>		
<a href="#">Malignant</a>	<a href="#">Arteriovenous fistula*</a>	<a href="#">others</a>		

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## ISSVA classification for vascular anomalies

[Type Alt ← for previous view](#)

### Vascular malformations associated with other anomalies

Klippel-Trenaunay syndrome: *	CM + VM +/- LM + limb overgrowth	PIK3CA
Parkes Weber syndrome:	CM + AVF + limb overgrowth	RASA1
Servelle-Martorell syndrome:	limb VM + bone undergrowth	
Sturge-Weber syndrome:	facial + leptomeningeal CM + eye anomalies +/- bone and/or soft tissue overgrowth	GNAQ
Limb CM + congenital non-progressive limb overgrowth		GNA11
Maffucci syndrome:	VM +/- spindle-cell hemangioma + enchondroma	IDH1 / IDH2
Macrocephaly - CM (M-CM / MCAP) *		PIK3CA
Microcephaly - CM (MICCAP)		STAMBP
CLOVES syndrome: *	LM + VM + CM +/- AVM + lipomatous overgrowth	PICK3CA
Proteus syndrome:	CM, VM and/or LM + asymmetrical somatic overgrowth	AKT1
Bannayan-Riley-Ruvalcaba sd:	AVM + VM + macrocephaly, lipomatous overgrowth	PTEN
CLAPO syndrome: *	lower lip CM + face and neck LM + asymmetry and partial/generalized overgrowth	PIK3CA

[Abbreviations used](#)

\* these lesions belong to the PIK3CA-related overgrowth spectrum (PROS) [see details](#)

Causal genes in blue