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Multimodality management of head and neck vascular malformations: Review of current literature

Vascular malformations of the head and neck often require multiple interventions with the use of a variety of modalities including periods of observations, systemic medical management, targeted interventional radiologic approaches and surgical debulking or excision. The literature is deficient in evidence based management protocols with the majority being small case series or retrospective reviews. The terminology for these lesions historically has been confusing and until the development of a classification system by the International Society for the Study of Vascular Anomalies (ISSVA), understanding the nature of various vascular lesions has been challenging. Use of a vascular malformation team based approach has improved the diagnosis and management of these complicated lesions. The team generally consists of interventional radiologists, vascular surgeons, dermatologists, plastic surgeons and head and neck surgeons with contributions from other specialties as the need arises. This discussion will focus on diagnosis and management options of the major categories of vascular malformations including hemangioma, venous or mixed venous malformations, lymphatic malformations and arteriovenous malformations with an emphasis on team management and review of the current literature.

Biography

Eileen Raynor is an Associate Professor of the Pediatric Otolaryngology, Head and Neck Surgery & Communication Sciences at Duke University Health System, USA. She has been actively engaged in clinical research since Residency.

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