Digital Subtraction Angiography Becomes More Colorful

syngo iFlow* will change the way DSA images are evaluated. This new application allows dynamic information to be displayed in a single static image, making flow visualization easier. *syngo* iFlow illustrates the history of the contrast media through the vessels, in full color, at the click of a button.

This dynamic flow evaluation provides a greater understanding of the contrast flow within pathologies, greater ease in visualizing the success of a procedure and assists the clinician in image review by showing a complete Digital Subtraction Angiography (DSA) run in a single image.

- A complete DSA series in one color image
- Easily visualize vascular structures
- Demonstrate the early vascularization of tumors
- Clearly demonstrate post-procedural results

Arteriovenous Malformation (AVM) Supported by *syngo* iFlow

Courtesy of Charles M. Strother, MD
University of Wisconsin School of Medicine and Public Health, Madison, WI, USA

History

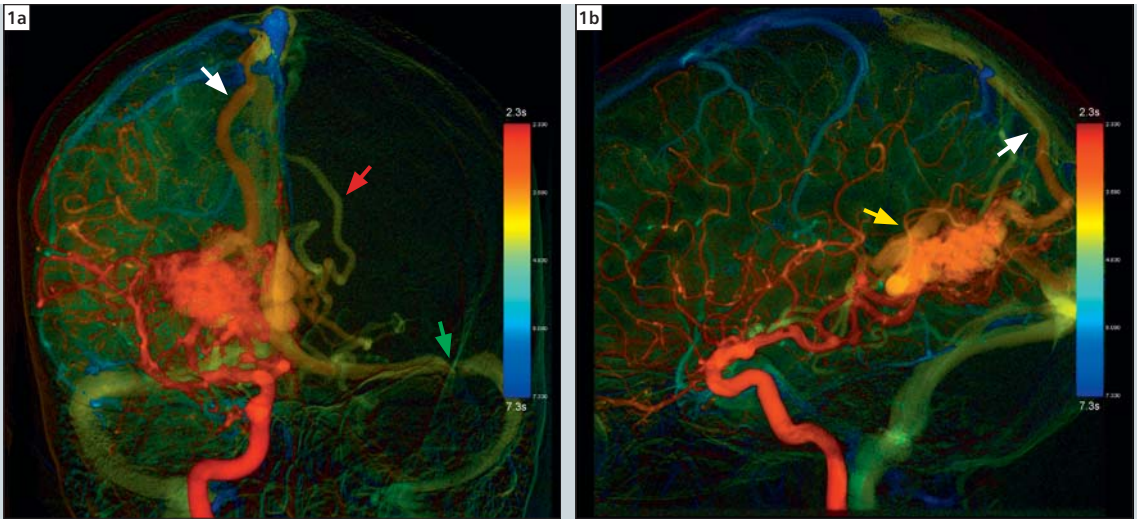
40-year-old female with a history of an incidentally found right occipital arteriovenous malformation (AVM).

Diagnosis

Cerebral angiogram demonstrated a 3 cm right occipital AVM fed from P2 and P3 branches of the right posterior cerebral artery. Venous drainage was into the Galenic system as well as into a cortical vein running parallel with the superior sagittal sinus.

Comments

syngo iFlow provides an excellent composite picture of the entire AVM nidus, the feeding arteries and the venous drainage from both the AVM and normal brain on one single image. It is easy to visualize the AVM nidus with primary arterial supply from the posterior cerebral artery, the shunting into multiple cortical veins of the right hemisphere (white arrow), the deep venous system (yellow arrow) and cortical veins of the left hemisphere (red arrow). A stenosis in the distal portion of the left transverse sinus is also seen (green arrow). Because of the composite nature of the color-coded image, it is easier to see the relationship between arteries and veins that are filling and emptying at different time points.



1 AP (a) and lateral projection (b).

* Pending 510(k)
The information about this product is being provided for planning purposes. The product is pending 510(k) review, and is not yet commercially available in the U.S.