

### Healthcare Sector Imaging & IT Division

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#### **Siemens sets a new standard in subtraction angiography**

The new application syngo iFlow from Siemens Healthcare makes it possible for the first time to demonstrate a complete digital subtraction angiography (DSA) sequence in a single color image. Previously, multiple black and white image frames had to be reviewed to visualize the contrast medium flow through the blood vessels. Now with the colors of syngo iFlow the representation of contrast from its initial entry into the blood vessels to its flow throughout can be shown in one image.

The syngo iFlow application, for example, can be used to enhance pre-procedural and post-procedural imaging of patients under treatment for leg stenosis. Flow deviations and the increased utilization of collaterals can more easily be detected prior to intervention, since anomalies more readily attract the physician's attention due to their specific colors. Following the intervention, the success of a balloon dilatation or stent implantation of a stenosis is readily visible due to the improved flow.

In order to obtain a color image, syngo iFlow takes the time to maximum opacification of each individual pixel, starting with the injection and subsequently visualizing the distribution of the contrast medium through the vessels. These time measurements are then represented by a color allowing visualization of the complete vessel tree in one image.

With syngo iFlow, Siemens extends its range of advanced imaging applications for the Artis zee. Artis zee is the family name of the Siemens systems used for interventional radiology and cardiology. These systems, available in biplane, multi-axis, ceiling-mounted, floor-mounted, and multi-purpose configurations allow Siemens to provide a complete portfolio of solutions to match customers needs.

Picture for download can be found at <http://www.siemens.com/med-picture/syngo-iflow>

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