



PHILIPS

Image guided therapy

StentBoost Mobile

StentBoost Mobile

Enhanced stent visualization tool –
interventional application

Endovascular stenting is widely used to treat vascular diseases. However, improper stent placement is still a key factor leading to restenosis and revision surgeries. Devices with extremely thin struts or less radio opaque stents, for example, can be challenging to visualize with conventional imaging technologies.

Introducing Philips StentBoost Mobile, the first dedicated stent visualization software for the mobile C-arm segment. StentBoost Mobile works simply, quickly and cost-effectively. It delivers an enhanced image of the stent during positioning and deployment to aid appropriate decision making during endovascular treatment.

Key benefits

StentBoost Mobile:

- Enhances stent visualization to support precise stent placement and deployment
- Subtract enables fine control of positioning by visualizing the stent in relation to the vessel wall
- Images are available in seconds to support fast decision making

Supports vascular procedures performed with Philips mobile C-arms

StentBoost Mobile is designed to enhance stent visualization during percutaneous transluminal angioplasty performed with Philips mobile C-arms. The range of diseases treated can include peripheral artery disease (PAD), critical limb ischemia (CLI), superficial femoral artery, infra-popliteal, crural, iliac and renal artery stenosis or occlusion.

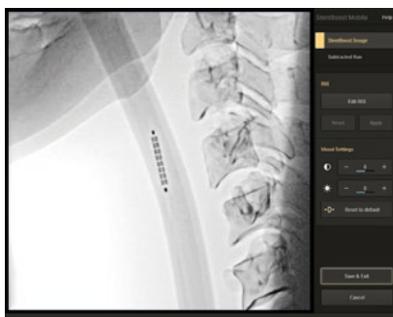
Enhances stent visualization

The technology of StentBoost Mobile enhances the stent visualization, while fading out background noise and anatomical structures. The image displayed is automatically adapted to provide an optimal view, but you can also manually adjust the contrast and brightness to your preferences. This high-fidelity visualization shows fine

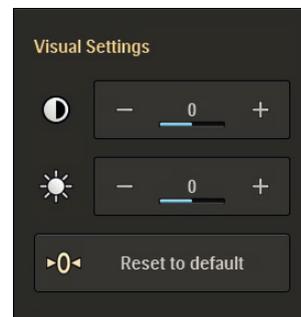
details of stent struts, and thinner and drug-eluting stents at the time of placement. By seeing the status of the stent you've just positioned with excellent clarity, you can make appropriate decisions about re-positioning, post-dilation, or additional interventions, while the patient is still on the table and the catheter is still in place.



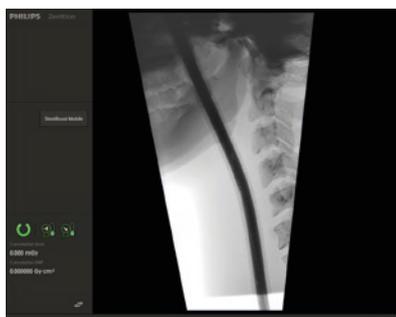
Pre StentBoost



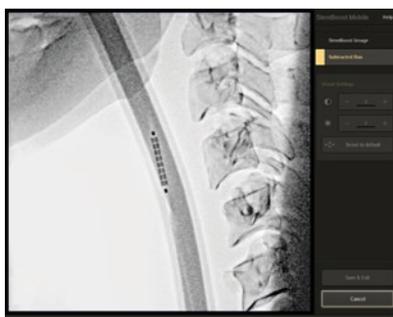
Post StentBoost



Contrast Brightness



Pre Subtract Run



Post Subtract Run

Subtraction feature expands assessment capabilities

StentBoost Mobile offers an additional subtraction feature, which expands your assessment capabilities during procedures. The subtraction feature visualizes the enhanced stent image in relation to the vessel wall to support precise pre- and post-stent deployment. This image allows enhanced positioning, especially critical during bifurcation and ostial stenting. It also enables fine control of pre-dilation, stent expansion, and post-dilation. The subtracted StentBoost Mobile image can be used as a roadmap on previous images, reducing the amount of contrast medium used during procedures.



Saves time

StentBoost Mobile is a non-invasive stent visualization tool that has no impact on operational costs or your way of working. It is an excellent option when a quick result is required. Potential problems such as imperfect positioning or under-deployment can be corrected immediately. Being able to work more decisively can contribute to faster procedure times.

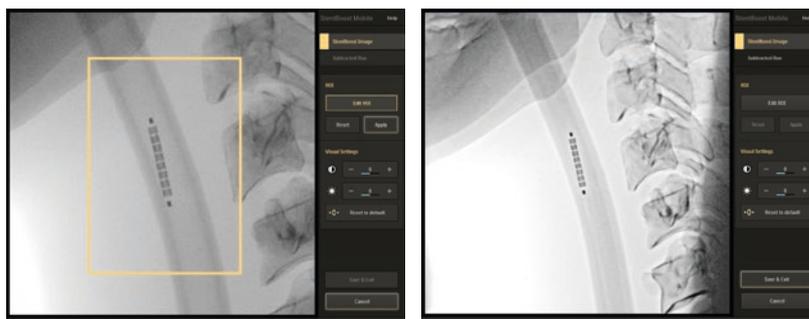
To help save time during procedures, StentBoost Mobile automatically detects stent markers. You can also manually select the specific region of interest (ROI) you would like to enhance with the stent markers. This can be handy when placing multiple stents, working around stents from prior procedures or long stents with multiple markers. The default ROI used is the largest possible ROI from the center of the image. The ROI used to generate the StentBoost Mobile image can also be used for the corresponding enhanced subtraction run, reducing additional steps in the process.

Based on proven Philips technology
StentBoost is used in over 1,000 facilities worldwide and has been widely published in scientific articles.

StentBoost Mobile is compatible with Zenition Series Mobile C-arms.

Saves money

Compared to other invasive imaging techniques that require expensive consumables, StentBoost Mobile offers very good value for money. Simply press a button and you immediately see an enhanced image directly on your screen. By helping you identify and correct potential problems in stent placement before the patient leaves the treatment room, StentBoost Mobile can eliminate the need for additional procedures and prolonged hospital stays.



Pre ROI

Post ROI

Clinical situations where enhanced stent visualization is needed

- Post-dilation to facilitate correct apposition and proper stent expansion
- To avoid complications in ostial stenting
- To enhance visualization of neo-carina in bifurcation stenting
- To facilitate proper coverage of overlapping stents and adequate post-dilation
- To predict potential response to calcification before stent placement, and adequately prepare predilation and atherectomy



510(k) pending – not available for sale in the USA

© 2020 Koninklijke Philips N.V. All rights reserved.

www.philips.com

4522 991 65211 * NOV 2020