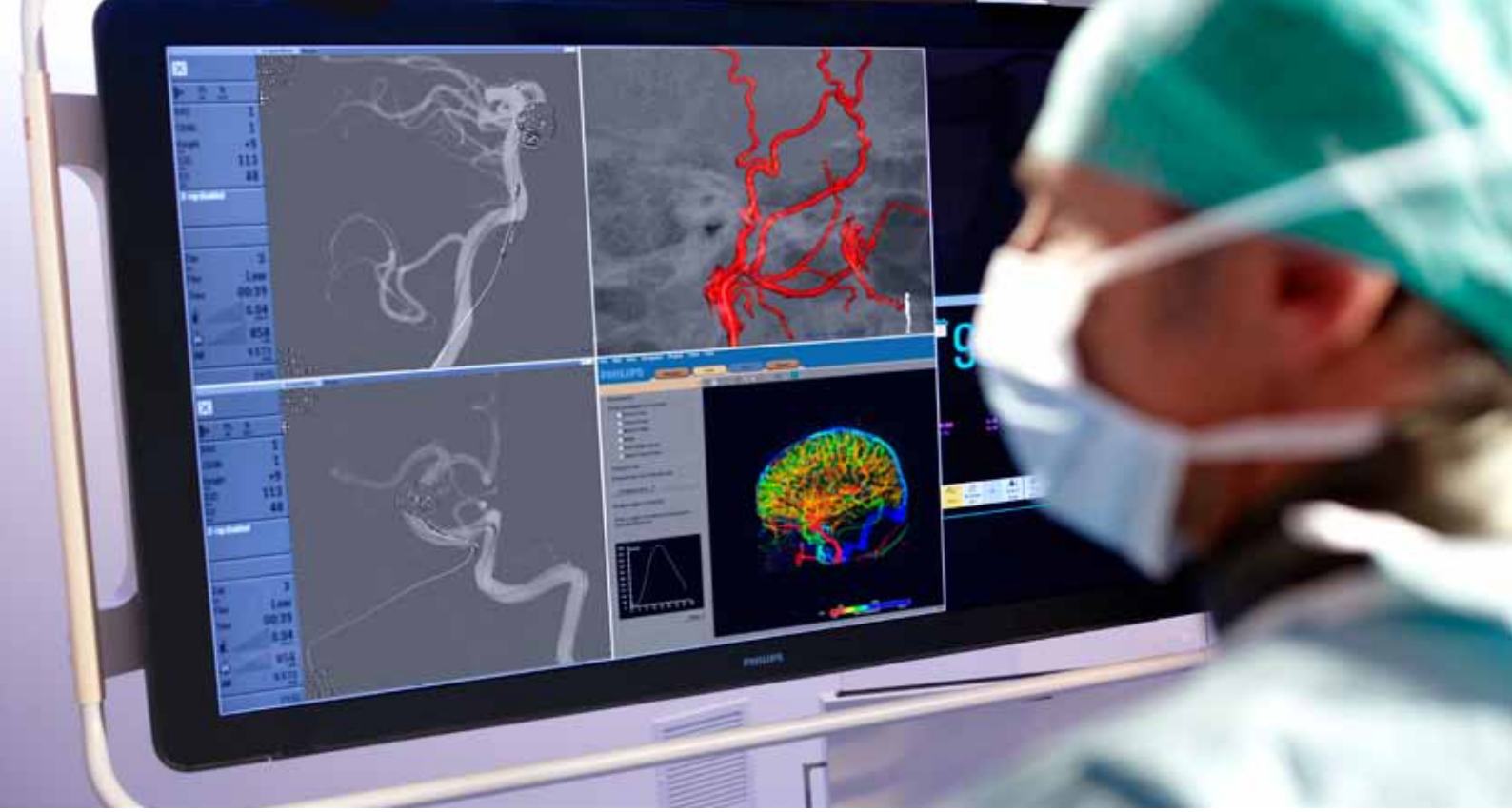


# RoadmapPro

## Vascular Roadmap optimization to the type of intervention and to the local hemodynamic characteristics

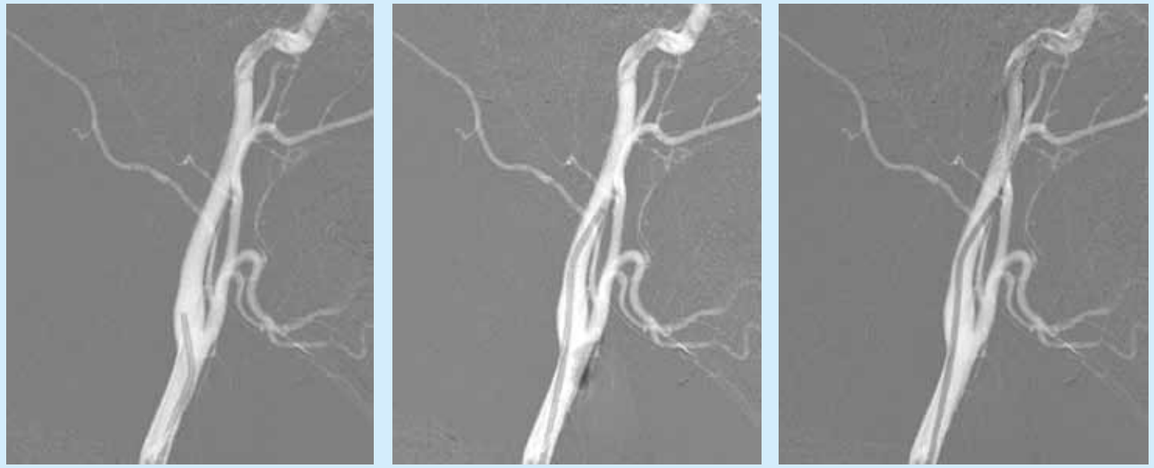
The new RoadmapPro functionality introduces two unique advantages into the vascular roadmapping process: optimization of the roadmapping to the specificity of the endovascular material to be utilized and the refinement of the roadmap settings in accordance with the local hemodynamics and the corresponding vessel movements. Vascular roadmap is considered to be one of the most important neuro-interventional functions, as it manages reduction of the iodinated contrast volume and the patient X-ray load. Previous implementations of the 2D roadmap did not allow for alterations in the X-ray frame rate and the X-ray imaging settings in relation to the anatomy to be imaged and the local blood flow dynamics.

The RoadmapPro solves the problems outlined above and provides a set of different roadmap options that enable the interventionalist to interactively customize the roadmap settings to the vessel anatomy in question and/or the endovascular material to be used.

**Key advantages**

- RoadmapPro enables the neurointerventionalist to customize the roadmap settings to the characteristics of the endovascular material and the local blood hemodynamics/vessel movement.
- RoadmapPro offers several different roadmap options that are set up to optimize the vessel display in various clinical settings.
- RoadmapPro provides adequate clinical results in those vessel portions with high blood velocity as well as in the slow moving distal blood vascularization, due to the optimization of the local X-ray settings and the acquisition frame rate.

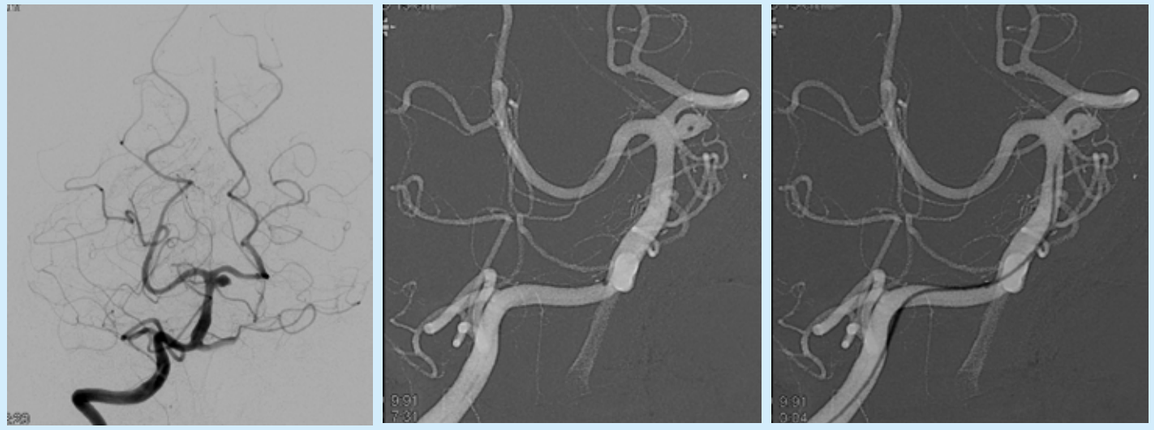
PHILIPS



28-year-old male presented with cavernoma. The Navigation Roadmap Pro setting was used to advance the catheter through the CCA and ICA. The applied imaging settings are set up in accordance with the average neck size and the imaging frame rate in accordance with the rapid blood flow through this anatomical region as well as an anticipated increased level of patient motion.
Dr Pedro Lylyk, ENERI Clinic, Buenos Aires/Argentina

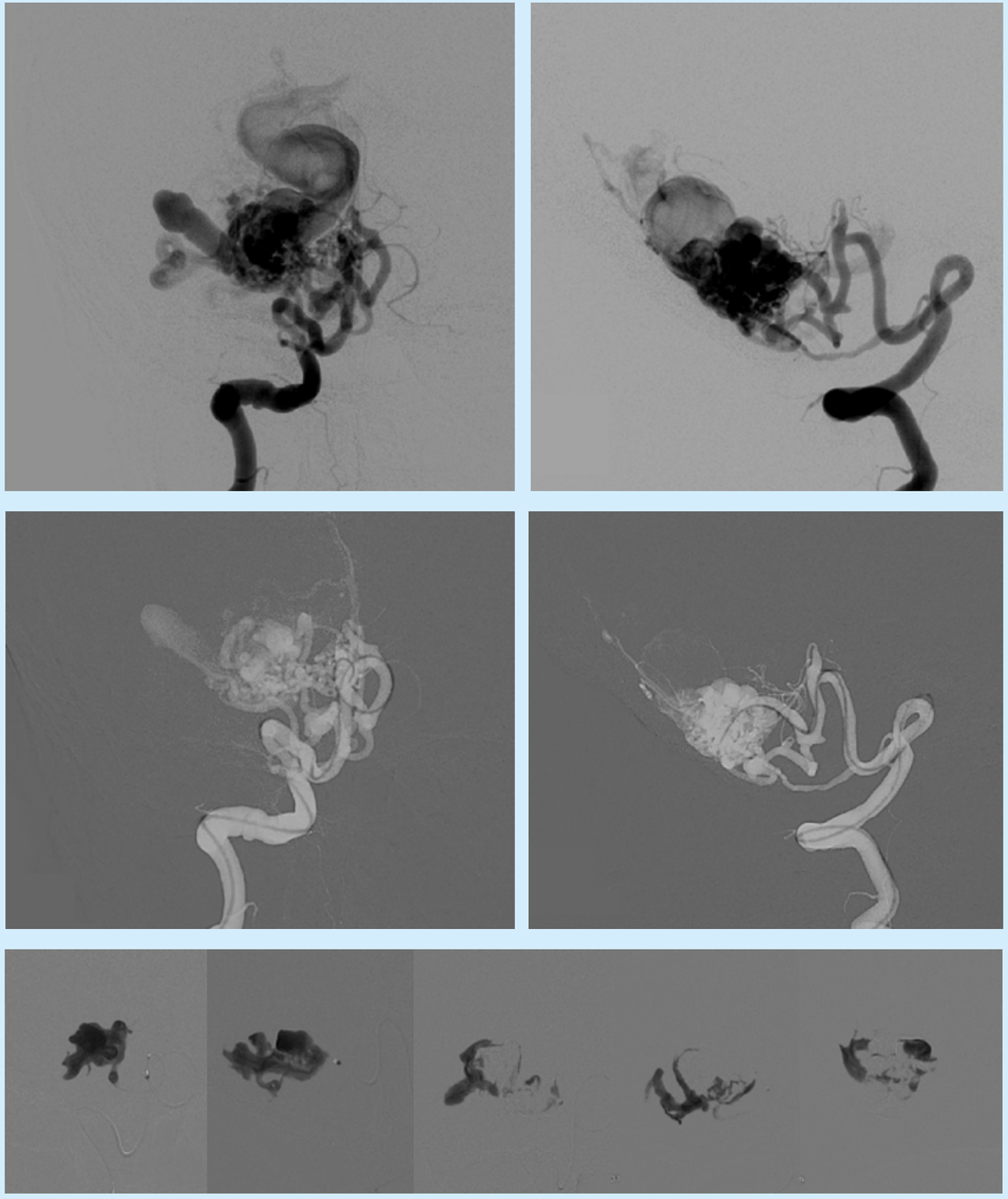
"Vascular Roadmap must be rapid, intuitive and of a good image quality. With the RoadmapPro we got all three of them"

*Dr Pedro Lylyk, ENERI Clinic, Buenos Aires/Argentina*



A 73-year-old male presented with a saccular aneurysm of the basilar artery. The Coil Roadmap Pro setting was used for accurate advancement of the microcatheter inside the aneurysm sac and subsequent coil insertion.
Dr Pedro Lylyk, ENERI Clinic, Buenos Aires/Argentina





A 26-year-old female presented with a BAVM. The Glue RoadmapPro setting was used to monitor distribution of the Onyx throughout the AVM nidus, as well as to assess and distinguish the contribution of each injection to the total glue cast.
Dr Pedro Lylyk, ENERI Clinic, Buenos Aires/Argentina

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