Workflow innovation in the hybrid OR space

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Disclosure

Speaker name: Heiko Wendorff

I have the following potential conflicts of interest to report:
- Consulting for philips
- Employment in industry
- Stockholder of a healthcare company
- Owner of a healthcare company
- Other(s)

☐ I do not have any potential conflict of interest
Workflow innovations

1. Procedure cards (Screenlayout, Checklists)
2. Complete Systemcontrol inside OR
3. Intraoperative measurement (length, stenosis)
4. Preoperative CT/MRT-Visualisation by Brainlab BUZZ-System
5. New system geometry with unlimited positioning flexibility
Procedure cards

- Individual settings of the monitor in the OR (ECG, IVUS, Ultrasound, X-Ray, analysis,..)
Procedure cards

-individual institution specific documents
(Safety checklist, clinical setups)
Complete system control from OR

- Scrolling the preoperative PACS-DICOM-PICs
Complete system control from OR

- *Scrolling the preoperative PACS-DICOM-PICs*
- Changing the big screen layout
Complete system control from OR

- *Scrolling the preoperative PACS-DICOM-PICs*
- *Changing the big screen layout*
- *Screencapture for PACS-storage (eg. OR-cam)*
Complete system control from OR -

- Scrolling the preoperative PACS -
- DICOM - PICs -
- Changing the big screen layout -
- Screencapture for PACS - storage (eg. OR - cam)
- Controlling the vessel - navigator
Intraoperative measurement

- Quantify vascular stenosis before/after PTA
- Length measurement for PTA/Balloon/Stents
- Checking the aortic diameter before EVAR
- Checking the landing zone in complicated anatomies
Brainlab BUZZ System

- Easy visualisation of preoperative CT/MRT scans
- Step 3D reconstructions
- 3D stereoscopic view of the reconstructions
- Store, stream or export your intraOP data
- Communication
  - philips Azurion – BUZZ
- Video conferencing
New system geometry

1. Staff & equipment positioning freedom
2. Improved workflow for radial access
3. Reduced table & patient movement
   Efficient use of lab / OR space
New system geometry
First Philips Azurion FlexArm in the world
Last week - Jan 16. 2019 – 1. Case
Conclusions

- Procedure cards can improve the security and precision
- Procedure cards help to individualise settings for the standard-procedures
- Intraoperative system-control could improve the quickness
- Intraoperative measurement can reduce unnecessary PTAs / wrong stents/balloons
- BrainlabBUZZ can help to better visualize complicated anatomy and store/stream data
THANK YOU FOR YOUR ATTENTION
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