

Interventional Dose Assessment and Optimization Engagement

Optimize patient dose through review of imaging practices, dose knowledge assessment, and improved protocols.

You strive to acquire images of high diagnostic quality while limiting patients' radiation exposure. GE Healthcare can help with an Interventional Dose Assessment and Optimization Engagement.

A data-driven approach

Our experienced Clinical Applications Specialists use data from your own imaging experience to help you review and optimize your patient dose levels. We assess your program, then work with you to identify the best approach to achieve your goals. Using a proven three-step process, our specialists analyze select studies to evaluate the use of your imaging systems, assess your staffs dose knowledge, and conduct an interactive protocol optimization session with your physicians and dose champions.

We evaluate and present the results to your Dose Management Team and recommend best practices to guide you going forward. We also recommend education offerings that may be beneficial based on the findings.





The Dose Assessment and Optimization Engagement three-step process

Study Review

Current studies are chosen to evaluate the use of the imaging system. By reviewing current studies, we identify improvement opportunities and help establish best practices with the physicians and technologists. Factors will be identified such as protocol usage, collimation, magnification, and use of InnovaSenseTM (if applicable). The information helps us point out best practices to your physicians and technologists.

Interventional Study Review Worksheet Soming Legend Interventional Study Review Worksheet Soming Legend Interventional Study Review Worksheet Soming Legend Interventional Study Review Worksheet Soming Legend Interventional Study Review Review Study Review Review Study Review Study Review Review Study Review Review Study Review Review

Dose Knowledge Assessment

Select staff members complete a self-assessment. The Clinical Applications Specialist interviews and assesses them on dose-related topics and features using a robust compilation of dose concepts. Results help identify staff strengths and development needs.

| Dose Knowledge Assessment Worksheet | | | Assessment: | | |
|--|---|--|----------------|----------------------|--|
| Soff No | | Sam | Sample data | | |
| | Note Each columnset in dated lines | Facility | Sample | | |
| | (Ex ColumnESF, Rows 1-46) is capied in its entirety from the Assessment | RimaryShift | 1st (day shift | | |
| | worksheet and the WALES ONLY (using poste special) are posted directly into the open adumns on this worksheet | - | f s | App s Spe c | |
| DDULE 1: RADIATION DO | SE KNOWLEDGE SKILL | 5 | | | |
| Patients & Radiation Risk 1 List the tissues that are more sensitive to radiation dose | | | 2 | 1 | |
| List the groups of patients who may be more at risk from radiation and require additional considerations prior to an Interventional procedure. | | | 2 | 2 | |
| ste ho oc | as been exceeded. Deterministic effects foll | ssue can be divided into two types: effects occur once a threshold of exposure owing diagnostic imaging do occasionally iceffects that could result from an exposure | 2 | 2 | |
| Dose Info & Calculations | 4. Where is the radiation dose monitoring | ng located on the system? | 3 | 1 | |
| 5. What is DAP? | | | 1 | 2 | |
| 6. D | 1 | 1 | | | |
| DULE 2: DOSE MANAGE | MENT PARAMETERS SKILL | | • | | |
| Protocol Selection 7 | 7. Explain the effect of proper protocol se | lection. | 2 | 2 | |
| 8. W | 8. What protocol would you select for EP procedures, when long fluoro times are expected? | | 2 | 1 | |
| | What protocol would you select for Neuro procedures? | | 2 | 2 | |
| 10. What protocol would you select for Aortogram? | | | 2 | 1 | |
| Options that Impact Dose 11. Describe the different FOV on the Innova systems. | | | 1 | 1 | |
| 12. What are the fluoro detail options and where are they located? | | | 2 | 2 | |
| 13. What are the frame rates available for Fluoro? | | | | | |
| | What are the frame rates available for Fluor explain the effect of utilizing segmented DS | | 2 | 2 | |

Interactive Protocol Optimization

We review imaging system protocols with your technologists and physicians in charge of dose and protocols and incorporate findings from the two previous steps. We present options for optimizing protocols, helping you take full advantage of the GE imaging system technology, strike the right balance between image quality and dose, and adopt and apply best practices and dose savings.

Interventional Dose Assessment and Optimization Engagement Protocol Optimization Summary Template

| | | | PRE | | | | | |
|---------------|-----------|----------|--------------------|-----------------|-------------------|-------------------|---------------|---------------|
| Protocol Name | System ID | Software | Auto Ex Trajectory | Fluoro Strategy | Frame Rate-Record | Frame Rate-Fluoro | Detail-Record | Detail-Fluoro |
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About GE Healthcare

GE Healthcare provides transformational medical technologies and services that are shaping a new age of patient care. Our broad expertise in medical imaging and information technologies, medical diagnostics, patient monitoring systems, drug discovery, biopharmaceutical manufacturing technologies, performance improvement and performance solutions services help our customers to deliver better care to more people around the world at a lower cost. In addition, we partner with healthcare leaders, striving to leverage the global policy change necessary to implement a successful shift to sustainable healthcare systems. Our "healthymagination" vision for the future invites the world to join us on our journey as we continuously develop innovations focused on reducing costs, increasing access and improving quality and efficiency around the world.

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