



Site Readiness

Biograph mMR System Onsite Turnover



Preparation for Applications Training

- **Classroom Training**
- **Virtual Workshops**
- **e. Learning**
 - Participants should review content on PEPconnect:
 - Turnover Training Workbook
 - Job Aid documents
 - Recommended/required Online training (OLT)
- **Inspections and Testing**
 - COO or CON (Cert of Occupancy/Need)
 - Department of Health
 - Fire and Safety
 - Physicist testing
 - ACR, FDA, BRH etc.
 - RAM License (Nuclear Medicine)
- **3rd Party Vendor accessories and training**
 - All necessary supplies must be stocked and available
 - All accessory equipment must be installed and functional (e.g., CAD, PACS, Biopsy device, power injectors, PET Germanium Phantom)
 - IP Addresses established

• Vendor Credentialing

- Notify Siemens Education Project Specialist prior to onsite education if Vendor Credentialing is required

• Staff Scheduling

- (e.g., Radiology Technologists, Radiologists, PET Technologists, Surgery Techs, Nurses, Physicians, Physicists)
- Identifying up to four (4) super users present for the entire training
- CE credits will only be given to participants that are present for the entire training.
- No partial credits will be issued, and no exceptions will be made.

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Siemens will assist you to make sure the above items are completed; however, we cannot be held responsible if they are not. The quality of your training may be compromised to the point of cancellation if these items are left outstanding.

Agenda Biograph mMR Systems

Communication and Scheduling

- Detailed information will be provided in a communication from your Clinical Education Specialist (CES) approximately one week prior to your scheduled onsite training.
 - Introductions
 - Details of the site visit
- If you have further questions about the agenda or any other aspects of Siemens Healthineers Clinical Education, our Clinical Education Planning Team is here to help you. For more information please email and someone from our team will reach out to assist you.

✉ mr_customized_education_planning_usa.team@siemens-healthineers.com

Cancellation Policy

- Please be sure to notify Clinical Education Planning Team of any changes to your scheduled event to avoid cancellation fees.

➤ **Learn more:**
[Siemens Healthineers Cancellation Policy](#)

Continuing Education Credits

- Complete and sign the checklist
 - Technologists and Clinical Education Specialist (CES) complete and sign the training checklist
 - Technologists must be present for entire training to obtain ECE credits
- Complete the education survey
- Access the voucher for ECE Credits
 - CES distributes Vouchers for ECE credits to all Technologists that completed the entire training

Customer Support (CES Discussion with Technologists)

- Functional Location Number
- Customer Care Center: Technical and Applications Support [1-800-888-7436]
- SRS – Siemens Remote Service
- Save System Log Files

The first week of the Biograph mMR initial onsite training focuses on MR.
The second week of training focuses on both MR and PET.

Week 1

Dedicated MR Applications Training

The initial 28-hour onsite training delivered includes the following:

MR Volunteer Schedule for Onsite Applications Training

- ½ Day – Schedule 1-2 Volunteers
[1 hour time slot with open discussion]
Note – If unfamiliar with the new system hardware, please allow 1-2 hours on 1st day to review safety and system hardware.
- 8-hour Days – Schedule 4-6 Volunteers
[45 minutes to 1 hour time slots with open discussion]
- Studies – It's recommended to schedule a variety of MR studies to maximize training experience. Examples include:
 - Neuro Examinations: Routine Brain, Orbits, IACs, Pituitary, ToF COW, PC/ToF Sagittal Sinus, myExam Brain Assist/Brain Dot Engine, C-Spine, T-Spine, L-Spine, myExam Assist C, T, and L-Spine/Spine Dot Engine, etc.
 - Orthopedic Examinations: Upper (Shoulder, Wrist, Elbow, myExam Assist/Shoulder Dot Engine); Lower (Knee, Ankle, Hip, Pelvis, myExam Knee Assist/Knee Dot Engine (optional); myExam Hip Assist/Hip Dot Engine)
 - Body Examinations: Abdomen, Cholangiogram, In/Opposed Phase Imaging, myExam Abdomen Assist/Abdomen Dot Engine (optional), PACE: free-breathing and breath-hold, Soft Tissue Neck, Brachial Plexus, Chest (Basic), Prostate, Female Pelvis, etc.
 - Non-Contrast Examinations: Time-of-Flight, Circle of Willis, Carotids.
 - Contrast-Enhanced Angiography Examinations: Carotids, Renal arteries, Run-Offs, etc.
 - Advanced Imaging: Unless already familiar with the system, we recommend performing any advanced imaging (cardiac, advanced neuro, etc.) on the system Follow-Up training. Please discuss any potential advanced imaging necessary during first week of training with the Clinical Education Planning team.

MR Safety Education

- Emergency Table Stop and Table Release
- Alarm Box
- Magnet Stop/Quench Button
- Emergency Shutdown/Electrical
- Specific Absorption Rate (SAR)
- Specific Energy Dose
- Spatial Gradients
- Stimulation Monitoring
- Squeeze Ball
- 5 Gauss Line Review
- Table Weight Limit

Software and Hardware Features

- Introduction to MAGNETOM mMR Biograph System, RF Coils, Patient Table, System and Table Controls, Positioning Aids: Pads, Straps and Sandbags
- Help Files - F1 Key
- ECG Hardware
- Computer Room and Cryogen, System and Table Controls
- Software Navigation – syngo introduction
- Patient Browser and Scheduler
- Patient Registration and Program Selection
- Scan UI/Exam UI Overview
- Care Bolus, Timing Bolus, Mean Curve, Inline Subtraction
- Flyout Toolbar/Position Toolbar
- MR Parameter Cards: Routine, Contrast, Resolution, Diffusion, Inline, Sequence, etc.
- Auto/Manual Shim
- Inline Display
- myExam Cockpit/Dot Cockpit/Exam Explorer Overview
- Sequence Optimization
- Building and Saving Protocols
- MR View&GO/Viewing Task Card Overview
- MR View&GO Distribution Step – Data Transfer, and Archiving
- MR View&GO Favorite Tools
- MR View&GO Postprocessing: MIP (Maximum Intensity Projection); MPR (Multiplanar Reformat); Subtraction; TimeCurve/Mean Curve; and Compose/Combine, etc.
- System Quality Control

Agenda Biograph mMR Systems

The first week of the Biograph mMR initial onsite training focuses on MR.

The second week of training focuses on both MR and PET.

Week 2

Dedicated MR and PET Applications Training

Typically the 2nd week of applications immediately follows the initial MR Turnover week.

- Examinations for the second week of applications will include combined MR and PET workflows with a focus on whole-body imaging.

MR Volunteer Schedule for Onsite Applications Training

- ½ Day – Schedule 1 volunteer [2-hour time slot with open discussion]
- 8-hour Days – Schedule 2-4 volunteers [2-hour time slots with open discussion]
- Studies – It's recommended to schedule a variety of MR and PET single bed, 2 bed, and at least 1 multi bed whole body protocols per day to maximize the training experience. Examples include:
 - Single Bed Protocols: Head, Abdomen, and Pelvis
 - Bed Protocols: Head/Neck, and Abdomen/Pelvis
 - Multi Bed: Whole Body Protocol
 - Additional Studies may include optional purchased items such as: HD Chest, Brain MOCO, and Dynamic Cardiac Recon.

Follow-up MR/PET Onsite Applications Training

Typically 3-4 weeks advance notice is required for follow-up applications training.

- Discuss with your Clinical Education Planning Specialist or our Scheduling Team details regarding scheduling your follow-up visit.
- Especially if Advanced options are requested e.g., Advanced Neuro, Cardiac, etc.
- To schedule your follow-up visit, contact your assigned Clinical Education Planning Specialist via email at

✉ mr_customized_education_planning_usa.team@siemens-healthineers.com.

- Please provide your site number (400-XXXXXX), facility name, and preferential dates when your follow-up visit can be scheduled.

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