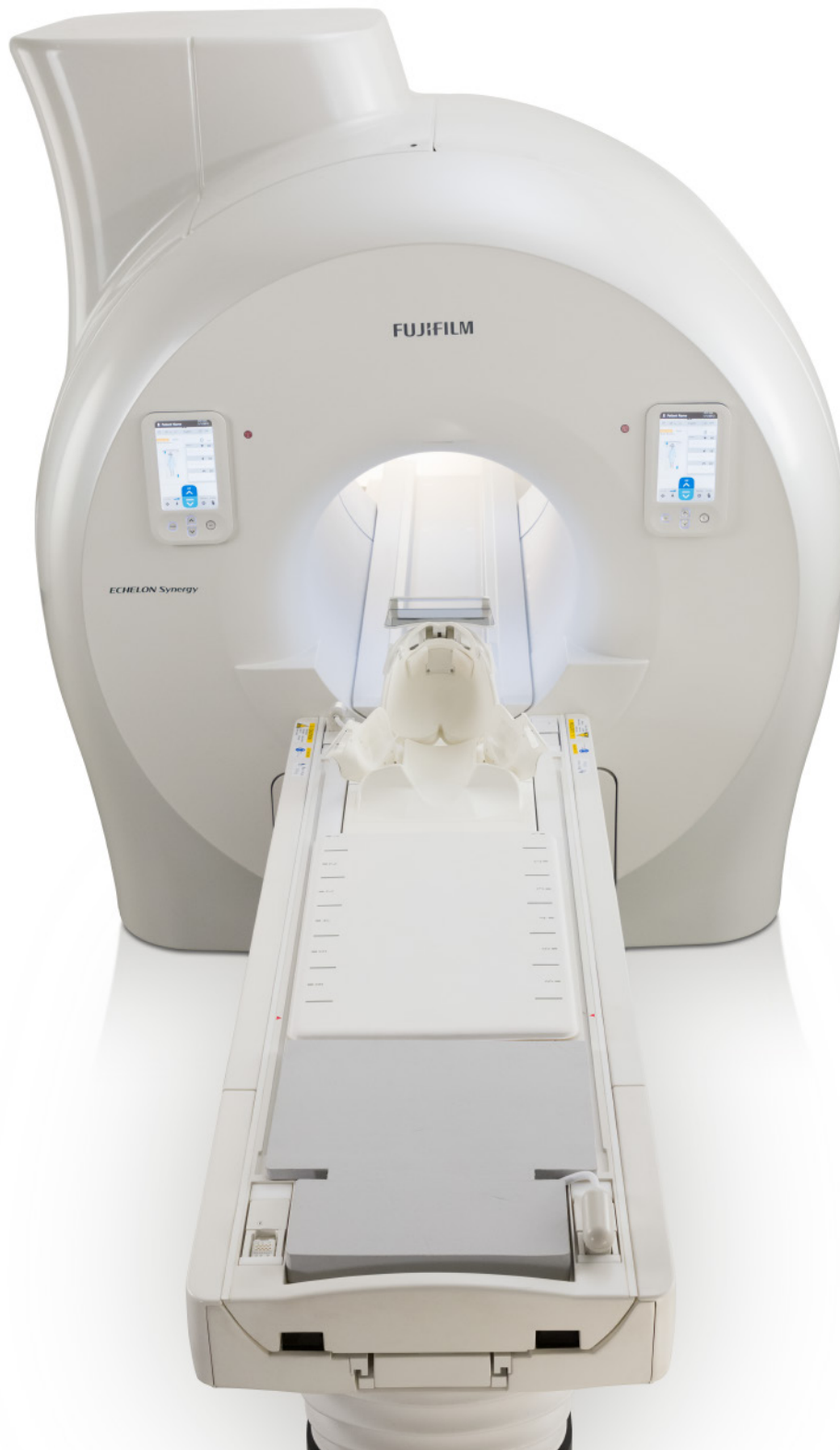


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***ECHELON Synergy***  
*Next Generation MRI*



**NEVER  
STOP**



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WORKFLOW

QUALITY

CAPABILITY



Echelon Synergy is designed to ease patient management and enhance patient comfort.

- 70 cm wide bore 1.5 Tesla
- Wide table - 62 cm
- FlexFit Technology
- AutoExam and One Touch Operation

**SynergyDrive powered by AI delivers 50% Scan Time Reductions from previous generation MRI.**

Maximizes your clinical capabilities and improves workflow with excellent image quality.

Synergy delivers consistent, high-quality imaging with Synergy DLR (Deep Learning Reconstruction) enabling ultra-fast exams while reducing image noise.





# Automated and Simplified Workflow

The majority of patients scheduled for MRI are experiencing some form of discomfort. Synergy is designed to improve efficiency and minimize discomfort through scan time optimization and minimized table time.

Clinicians benefit from positive patient satisfaction with improved workflow and increased throughput.

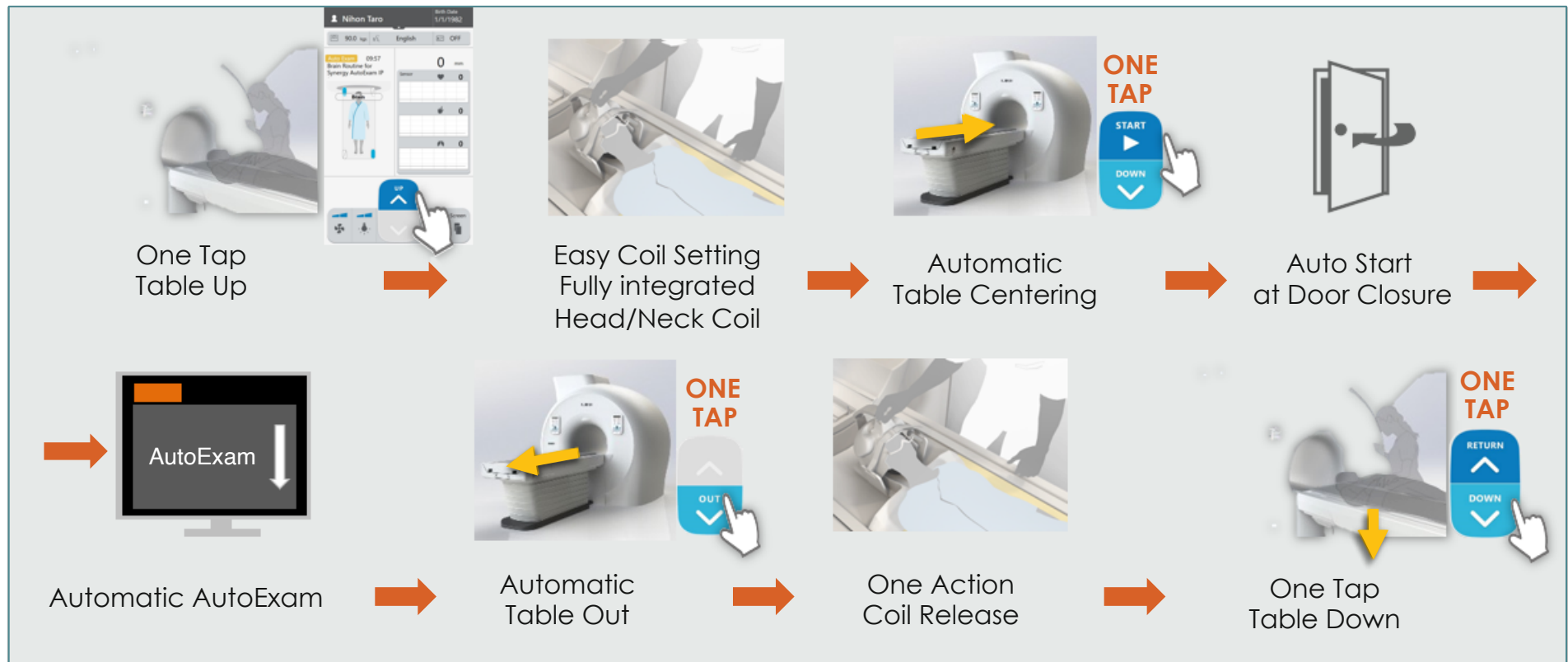
## Synergy Advantages

- Advanced Reconstruction with Deep Learning, Synergy DLR, enables shortest exams and reduces image noise
- 62 cm Wide table provides comfortable positioning
- Accelerated Imaging with IP-RAPID, IterativeRAPID
- Motion-compensated RADAR translates into excellent diagnostic sequences even with difficult patients
- Increased throughput without sacrificing image quality



# AutoExam and One Touch Operations

## Reduced operator workload - enhances Workflow



AutoExam and One Touch Operations

# Advanced Imaging for Capability and Growth

Echelon Synergy delivers more data faster with AutoExam and One Touch operations while Synergy DLR optimizes image quality and minimizes scan time.

## Synergy Advantages

- Automated workflow is standard with AutoExam, AutoPose and One Touch Brain and Knee
- DLR reduces noise and enables short exams
- Synergy DLR delivers 5-minute brain exams that demonstrate our commitment to excellent image quality
- AI powered by REiLi merges human experience and AI technology
- Sensitive multichannel RF coil technology adjusts to all patients



Fujifilm's artificial intelligence initiative





FUJIFILM





# Fast Scanning for the smallest of patients

Children can be intimidated walking into a MRI suite, but with Echelon Synergy's ultra-fast scan times those fears can be eliminated.

Echelon Synergy delivers clinical benefits to aid in getting the pediatric patients done right the first time.

## Synergy Advantages

- RADAR motion compensation retains image quality while minimizing artifacts due to patient motion
- Fast scanning with Synergy Deep Learning Reconstruction – **50% scan time** reduction over previous generation 1.5T
- Blanket coils deliver quality imaging with comfortable positioning
- SoftSound™ gradient technology reduces acoustic noise



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# Population aging comes with challenges, Imaging shouldn't be one of them

Many senior patients have physical and mental limitations that can make an MRI exam a challenge. Synergy eradicates these obstacles.

## Synergy Advantages

- Table lowers for easy accessibility
- Motion-compensated RADAR translates into excellent diagnostic sequences even with difficult patients
- SoftSound gradient technology reduces acoustic noise
- Light-weight blanket coils allow for quick and comfortable positioning
- Custom pads provide comfort and stability
- RF coil technology designed for a wide range of body types







# Neuro Imaging

High resolution and excellent diagnostic performance raises the bar on image quality. Standard IP-RAPID technology combines parallel imaging, sparse sampling, and iterative processing to reduce exam time and boost resolution.

Patient positioning is a snap. And the streamlined user interface and automatic integrated coil element selection enable technologists to quickly maximize patient throughput.

## Synergy Advantages

- Sensitive multi-channel RF coil technology adjusts to all patients
- FlexFit Neuro coil offers patient comfort with open-designed coil and tilting
- IP-RAPID iterative processing and sparse sampling reduce scan time
- Higher Order Active Shimming (HOAST) and regional shimming deliver optimal RF fat saturation







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ECHELON Synergy



# Dual Touch Panels for Operator Convenience

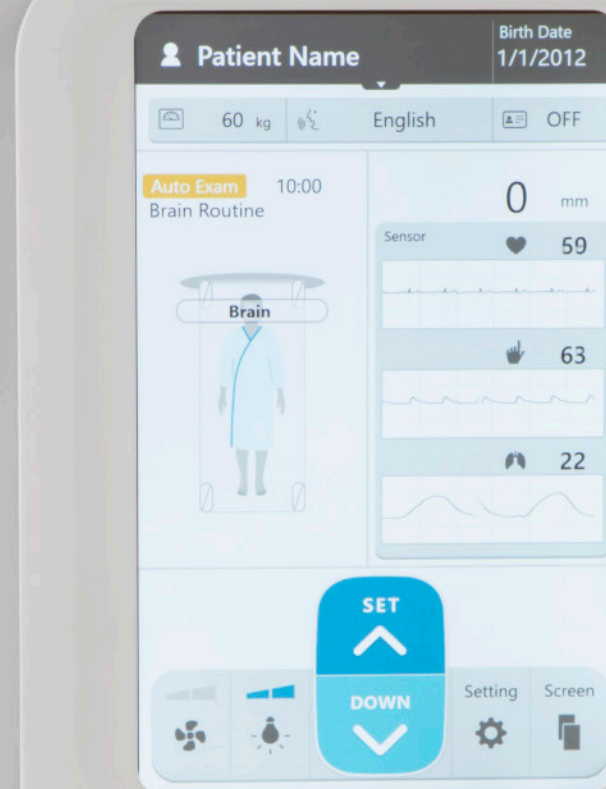
With features including dual intelligent gantry monitors, multiple languages, and One Touch scanning, Synergy is well suited for the most challenging of patients.

## Synergy Advantages

- Multiple on-gantry controls to reduce operator task load
- HydroAG+ applied to on-gantry touch panels
- Visual guidance of patient position, coil connections and patient name, DOB, weight
- AutoExam One Touch operation automatically starts exam after scan room door is closed
- Multiple languages to ease patient anxiety by using their native language



Fujifilm's exclusive HydroAG+  
reduces microbe and fungal  
propagation



LASER

SET

# Clinical Confidence

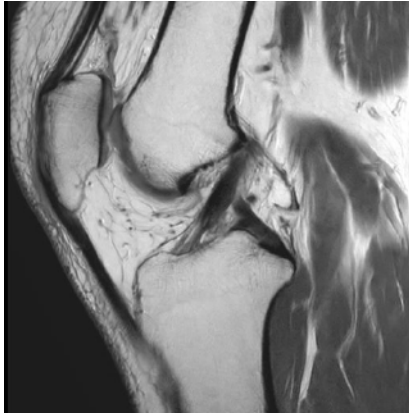
Consistent excellent image quality with the highest resolution and fastest scan times to increase productivity.

From head to toe, Echelon Synergy 1.5 Tesla MRI has clinical capabilities for all your patients. Technologists will embrace the new One Touch scan and radiologists can rely on high-quality images to make a confident diagnosis.

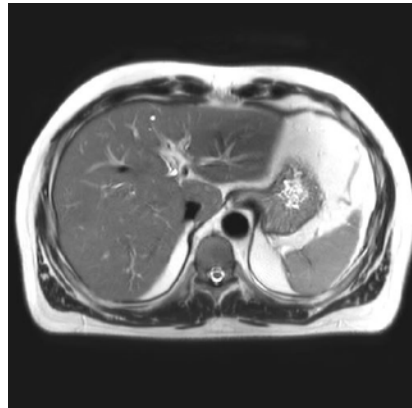
Next generation MRI scanner by Fujifilm will be a workhorse at your business.

Echelon Synergy delivers clinical confidence and will exceed your expectations.





PD FSE  
320x320 1:26



T2 SS-FSE BH  
256x256 0:16



3D T2 FLAIR Fat Sat isoFSE  
224x224 300slices 4:06



3D TOF  
224x224 1:39



T2 FSE  
256x320 01:43



PD FSE Fat Sat  
256 x 256 1:57

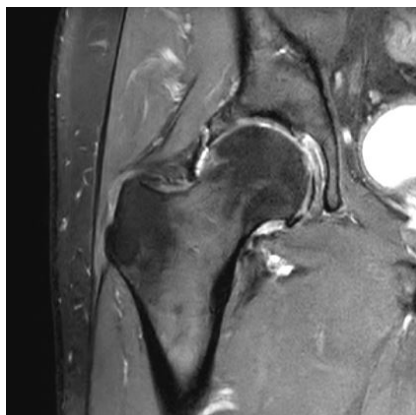


3D TOF  
384x256 0:54

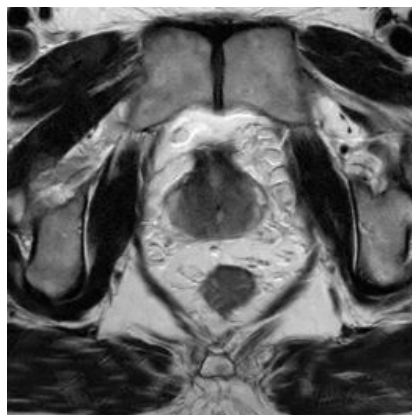


T2 FSE  
320x320 1:35





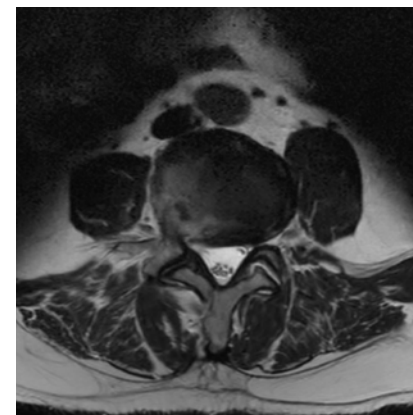
PD FSE Fat Sat  
224 x 256 1:52



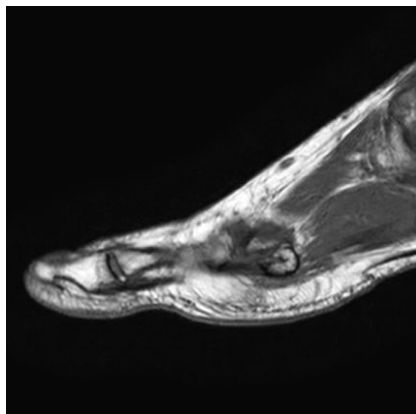
T2 FSE  
320 x 320 2:06



STIR  
256 x 320 01:50



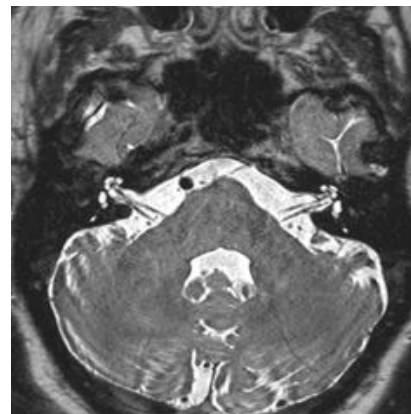
T2 FSE  
288 x 224 2:28



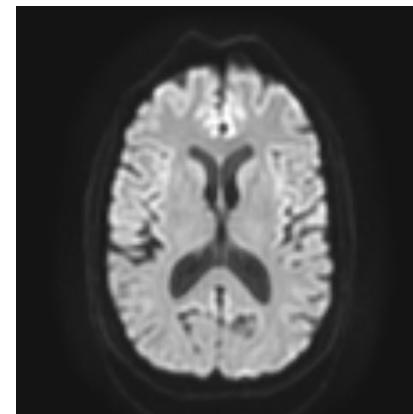
T1 SE  
224 x 224 1:58



3D T2\* GE  
320 x 320 3:49



3D T2 FSE 1mm  
320x320 1.0mm 4:15



Diffusion Tensor-3 mm-DWI b1000  
96x96 1mm 8:02

# Advantages of Next Generation MRI

FUJIFILM Healthcare is committed to advancing MRI globally for all communities. Echelon Synergy is built to meet these needs with siting flexibility, low power and helium consumption, ultra-fast exam times provided by IP-RAPID and Synergy DLR, and a very attractive low total cost of ownership.

## **The Echelon Synergy delivers:**

- Low power consumption and small footprint for flexible siting.
- FlexFit coil technology provides comfortable imaging for patients and excellent image quality for clinicians
- AutoExam and One Touch Operation reduces operator workload and enhances workflow
- Ease of use imaging platform to aid in increased throughput
- Experience IP-RAPID and IterativeRAPID for accelerated imaging using parallel imaging combined with noise reduction for fastest acquisition in all anatomical regions including body, neuro and orthopedic.



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**FUJIFILM Healthcare Americas Corporation**  
81 Hartwell Avenue, Suite 300, Lexington, MA 02421  
fujifilmhealthcare.com 800.431.1850

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Value from Innovation