

FUJIFILM
Value from Innovation

MR

OVALTM
ÉCHELON

THE WIDEST WIDE BORE IN
THE INDUSTRY



the next level in mr



Advanced

The Widest Wide Bore in the Industry

Echelon Oval brings together all the key attributes of a leading 1.5T MR system—patient comfort, accessibility, efficient workflow, and advanced clinical capabilities all covered by Fujifilm's industry leading customer support.

With the Echelon Oval **the next level** in MR is here.

OV^{AL} ECHELON

74cm Oval Bore

Provides a comfortable and spacious environment around the patient

WIT Monitor

Allows technologist to review and update patient information with ease

Widest 1.5T Patient Table (63cm)

Better patient accommodation and decreases anxiety

In-Room Start/Pause

Operator can start and pause scans at the patient's side

Wireless Gating

Fast and simple connection verified with WIT monitor

In Bore Lighting and Ventilation

Enhances patient experience

Digital Drive DX

A/D Conversion at Gantry
Reduces signal loss and maximizes SNR

Optical Data Transmission
Reduces noise and maximizes SNR

HOAST

Highest guaranteed homogeneity supported by Higher Order Active Shim Technology

SoftSound

Up to 90% reduction in audible noise

IV Pole

Deploys effortlessly when needed

3 Position Armboards

Provides patient comfort, safety, and technologist workspace

WIT Coils

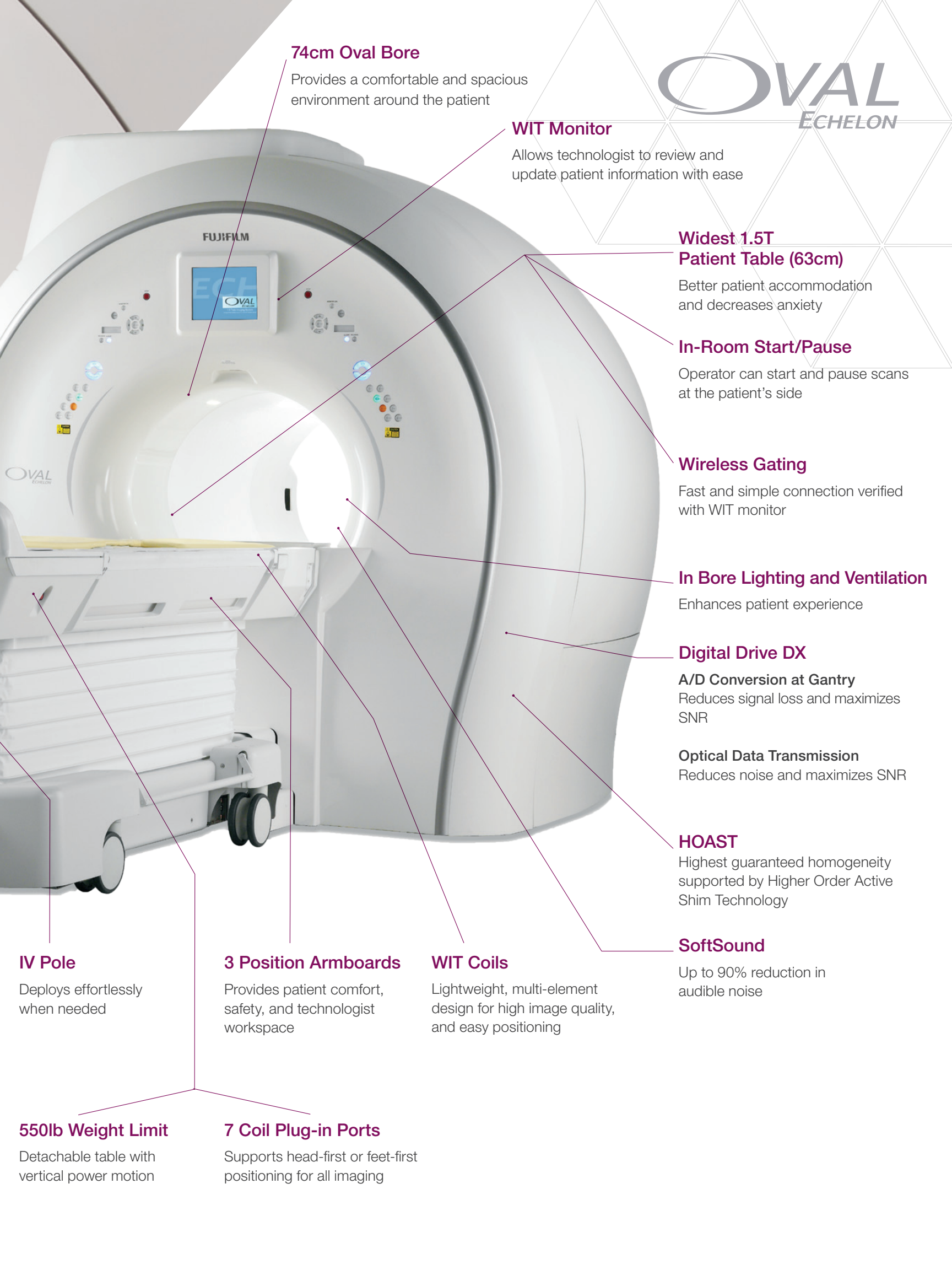
Lightweight, multi-element design for high image quality, and easy positioning

550lb Weight Limit

Detachable table with vertical power motion

7 Coil Plug-in Ports

Supports head-first or feet-first positioning for all imaging



Inspired By Your Patients

Echelon Oval continues Fujifilm's commitment to patient-friendly imaging. The industry's widest bore is complemented by the widest patient table, lowering to wheelchair height and featuring a 550lb. weight limit to accommodate the broadest variety of patient body types while maximizing patient comfort. A host of patient amenities including feet first imaging, adjustable in-bore lighting and ventilation further enhance the patient experience providing the highest level of patient comfort, security and accessibility.

The Oval's revolutionary design merges outstanding patient and technologist benefits that stem from the exclusive ultra-wide oval bore with a suite of Workflow Integrated Technology (WIT) features, and leading-edge clinical capabilities. From patient arrival through exam completion Echelon Oval optimizes the entire process with comfort, efficiency and high performance imaging.



Patient Comfort without Compromise

Designed around the shape of the body to accommodate the broadest patient spectrum, Echelon Oval embodies our innovative spirit and unwavering commitment to patient comfort without compromising image quality. Your anxious, claustrophobic, broad-shouldered or bariatric patients will experience greater comfort and peace-of-mind.

Every patient type will benefit from Echelon Oval's vast array of patient amenities.



Geriatric

Table lowers to 20" for easy accessibility for elderly, non-mobile or infirm patients.



Pediatric

Ample space allows for constant visual and physical contact with a loved one.



Bariatric

More space on the sides means larger patients are afforded greater comfort and accommodation.



Anxious

Roomier where it matters most for greater comfort and less anxiety for all patients.



Efficient

SynergyDrive for Efficient Workflow

SynergyDrive is the force behind optimizing Echelon Oval workflow, comfort and quality, encompassing all aspects of the MR exam. SynergyDrive brings together Evolution Software and Workflow Integrated Technology (WIT) to provide efficient and reliable patient registration, patient positioning and preparation to quickly move to a suite of automated and easy to use scan planning, acquisition and post processing tools.

Scan Set-up, Acquisition and Processing

Set-up

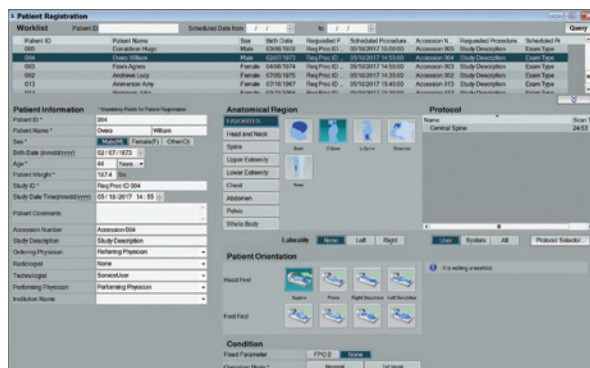
- Intelligent Parameter Guidance provides real time parameter suggestions
- Image Quality Calculator advises on resolution, SNR, CNR, and scan time when scan parameters are adjusted
- AutoPose automatically positions slices for efficiency and consistency from patient to patient
- CopyDrive for consistent slice positioning from sequence to sequence
- Acquisition Plan enables one plane linked scan positioning with one click start

Acquisition

- QuickScan protocols for brain, spine, knee and shoulder including a complete 5 minute brain exam
- Isotropic imaging allows one acquisition with unlimited reformats – 1 click MPR
- FatSep provides in and out of phase along with fat and water only datasets in one short acquisition

Processing

- Single screen advanced processing tasks
- Auto generated MIP tool and DWI, ADC and DTI maps
- Auto DICOM store to multiple destinations
- Auto subtractions for dynamic studies



Simplified and fast patient registration



AutoPose saves time and provides consistent results



Excellence

WIT Mobile Table

The WIT Mobile Table delivers outstanding benefits to both patient and practice. Technologists can easily move the table to the patient rather than moving the patient to the table. This minimizes transfers for non-ambulatory and infirm patients.

The ultra-wide WIT mobile table measures 63cm, providing comfort, capacity, and safety for large patients, and simplified patient positioning. Feet first imaging for all exams and extra width promote patient compliance and alleviate anxiety.



A wide range of workflow and safety features including power elevation - even when detached

WIT Monitor and Controls

Enables the operator to review and adjust patient information without leaving the patient's side. Wireless gating provides easy patient set-up allowing the operator to verify gating functions right at the gantry.

The operator can start, pause and restart scans while at the patient's side to improve workflow by decreasing patient anxiety.



Review and update patient information at the gantry and start and pause scans

WIT Integrated RF Coil System

Fujifilm's integrated coil technology improves all three elements of MR imaging: patient comfort, workflow and image quality. The integrated head, body/spine coils reside within the table, delivering quick setup and positioning in combination with lightweight anterior coil attachments.

Automatic Element Selection chooses optimum coil elements, which not only enhances workflow, but also consistently produces the best image quality.

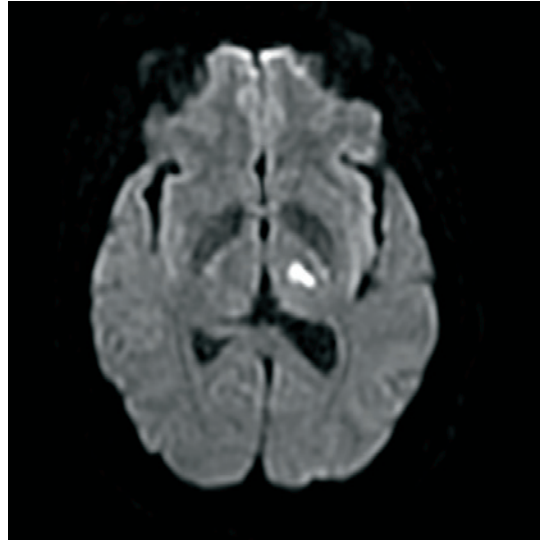


Coils can be easily switched from head to feet first or removed for maximum patient space

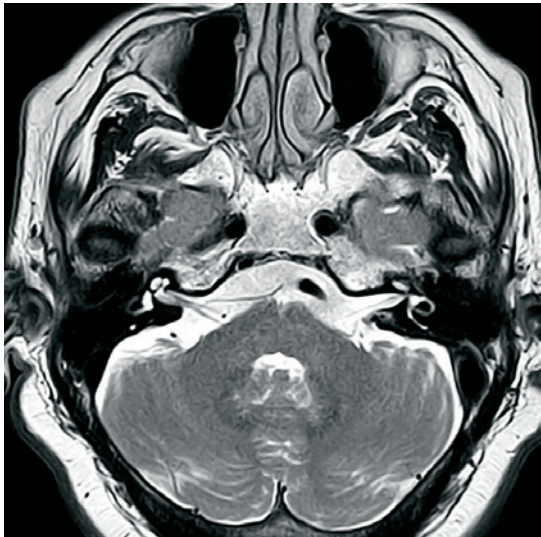
Neuro



3D T2 FLAIR isoFSE
1.2mm isotropic



DWI B1000 for acute stroke



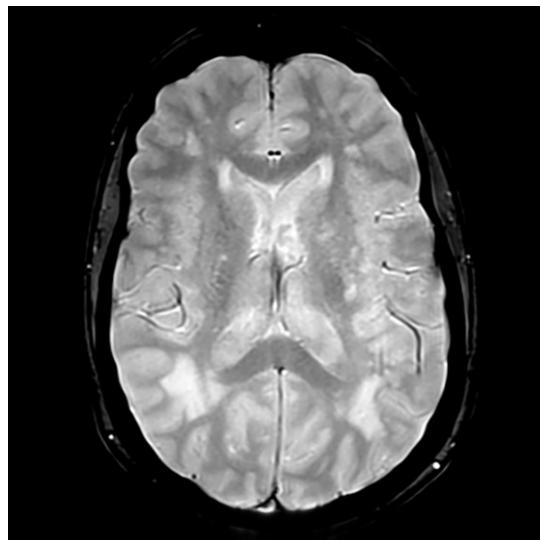
2D T2 opFSE (optimized FSE)
3mm slice thickness



opFIR with uniform fat suppression over
large FOV



T2 opFSE for enhanced edge detail and
sharpness



ADAGE combines gradient echoes for
enhanced gray/white matter contrast

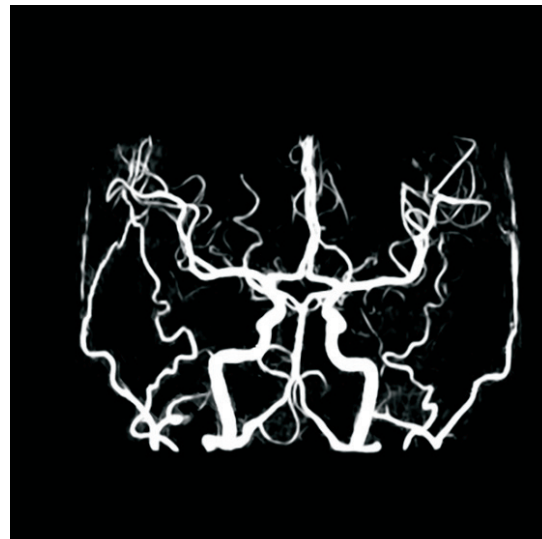
Vascular



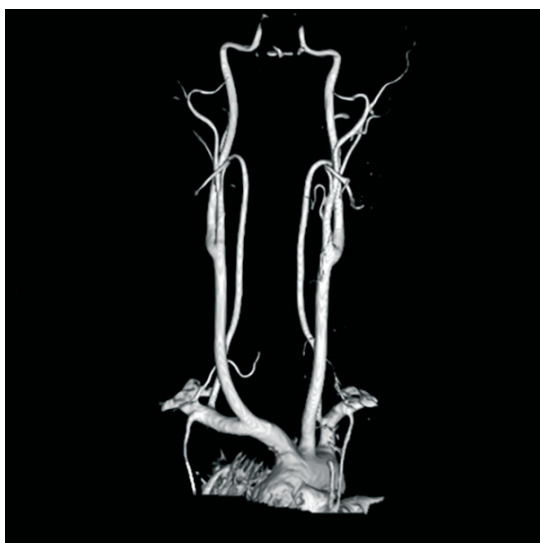
VASC-FSE 3 station non-contrast MRA



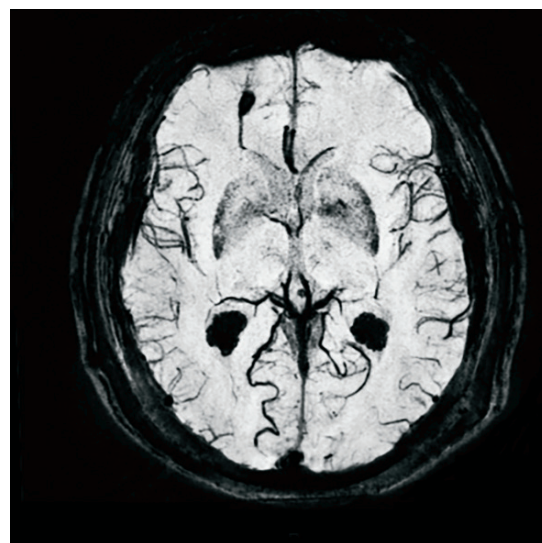
Flouro Triggered MRA (FLUTE)



3D Time-of-Flight (TOF)

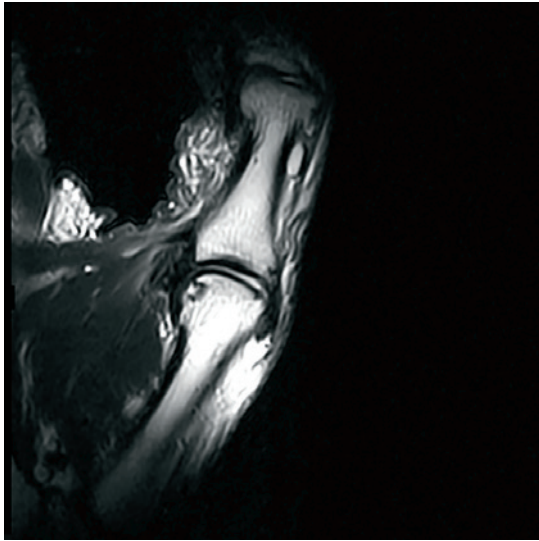


VASC-ASL volume rendered non-contrast MRA

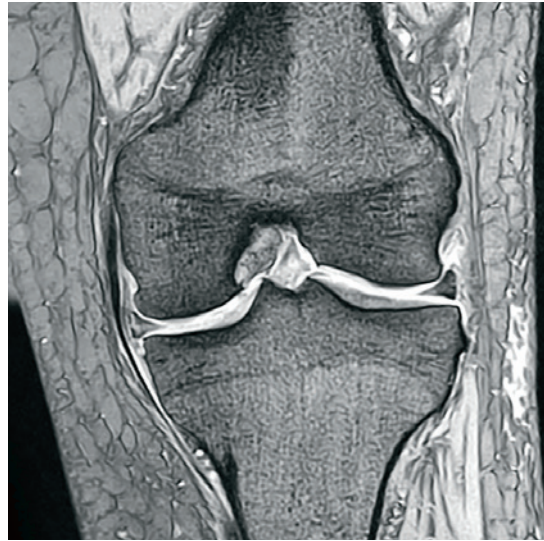


Blood Sensitive Imaging (BSI) T2* contrast for micro bleed detection

Ortho



Micro coil provides exceptional small FOV, thin slice imaging



ADAGE high SNR/CNR with excellent cartilage depiction



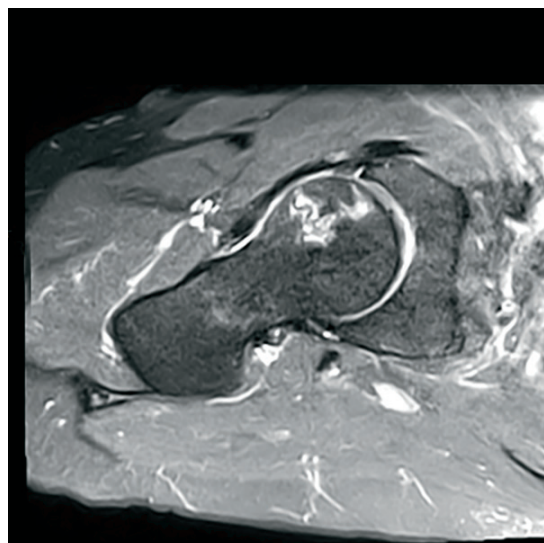
T2 isoFSE 1.2mm isotropic



3D RF Spoiled SARGE (RSSG) with Water Excitation

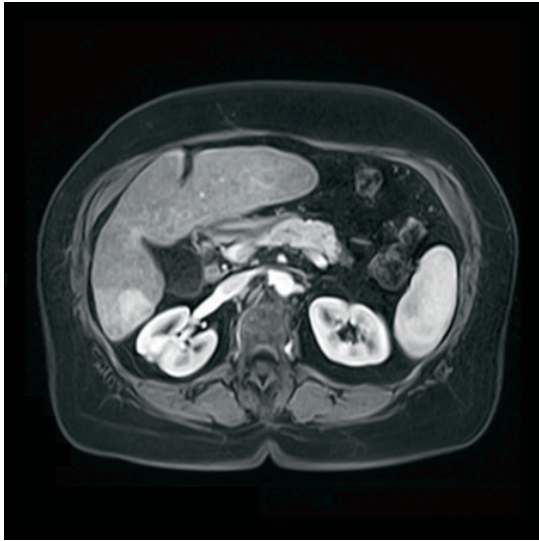


T1 opFSE with VIVID for fine edge detail

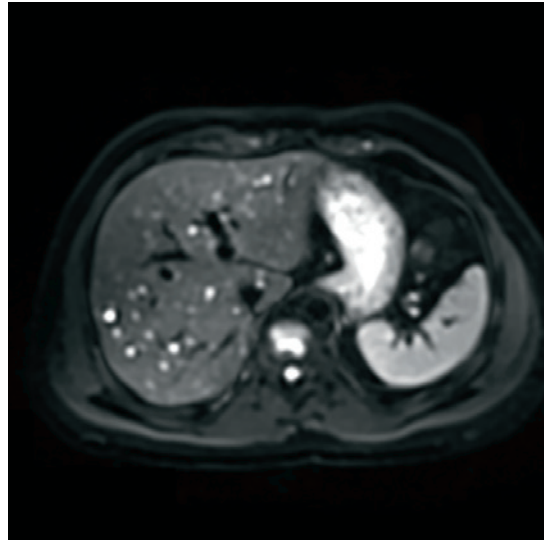


opFSE with HOAST for uniform off-center fat saturation

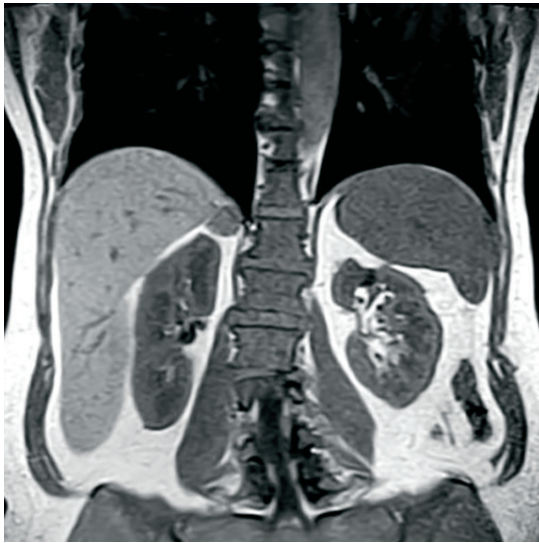
Body



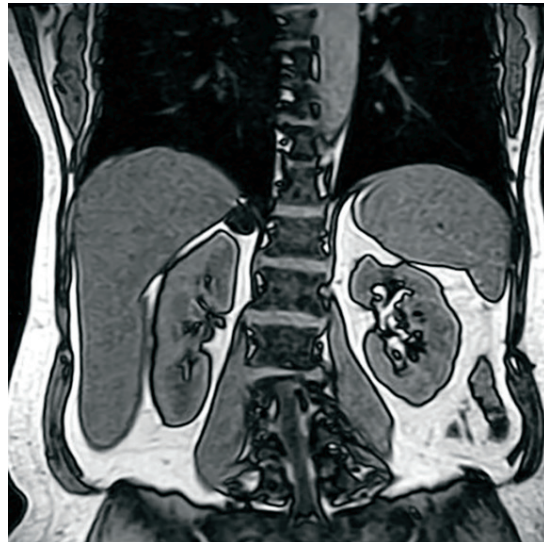
TIGRE - T1 gradient echo dynamic arterial phase



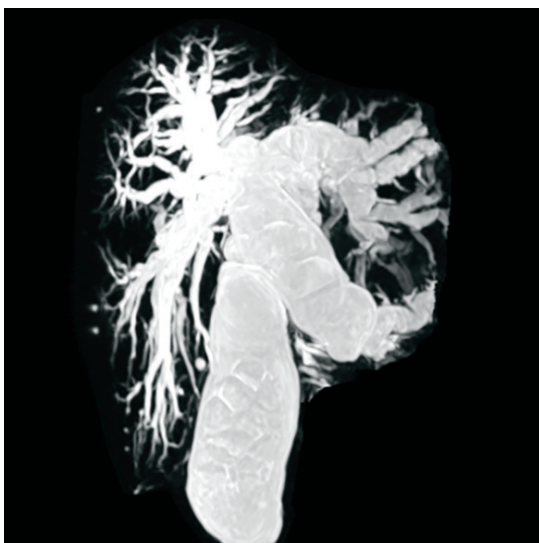
DWI B50 with high lesion conspicuity



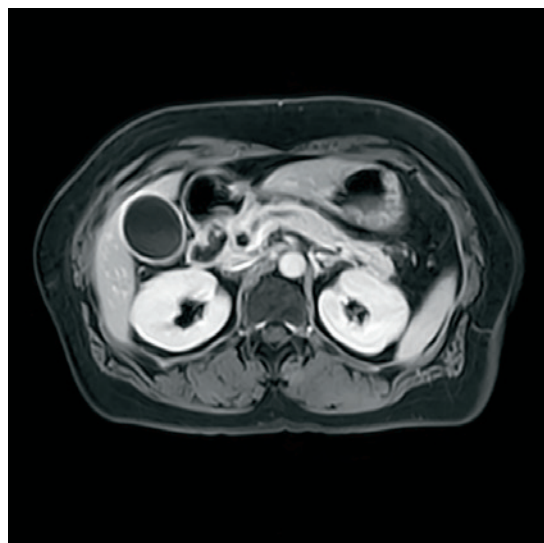
Gradient Echo In-Phase



Gradient Echo Out-of-Phase

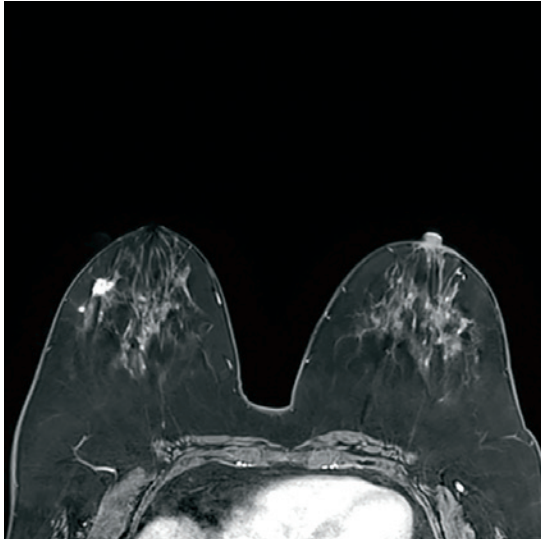


3D primeFSE with respiratory gating

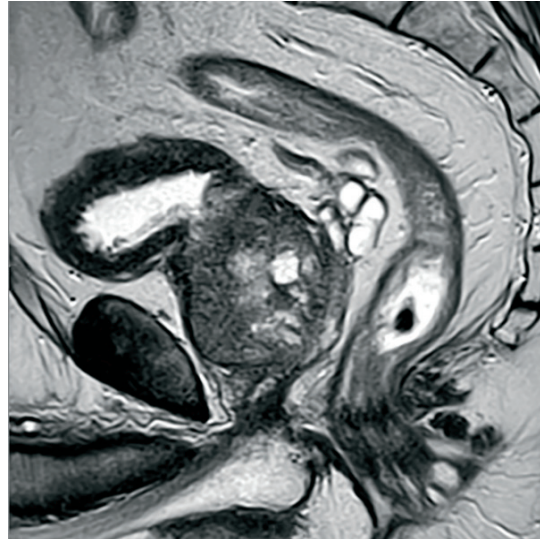


2-Point FatSep RF Spoiled SARGE (RSSG)

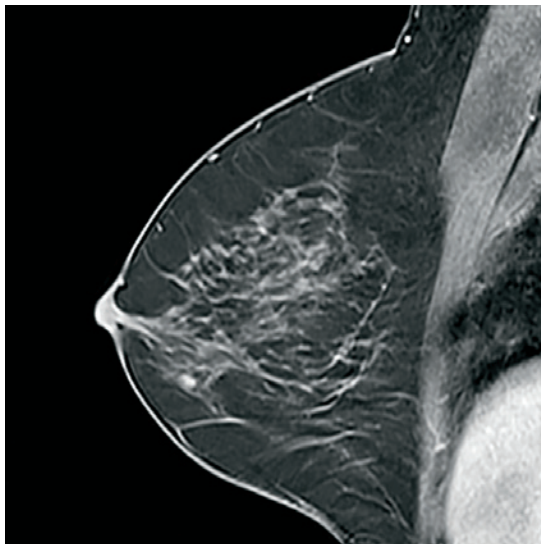
Breast



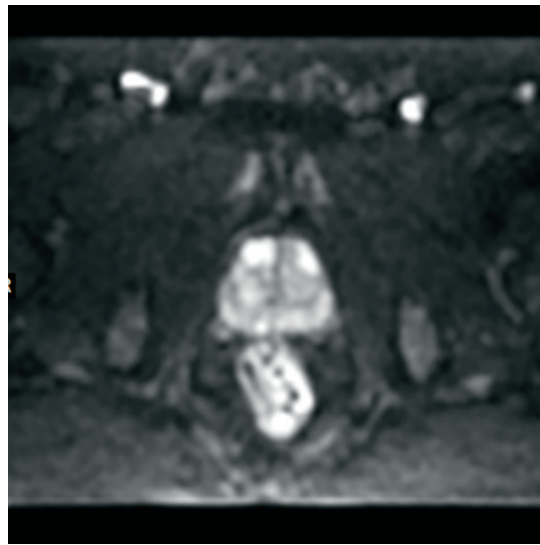
TIGRE Dynamic



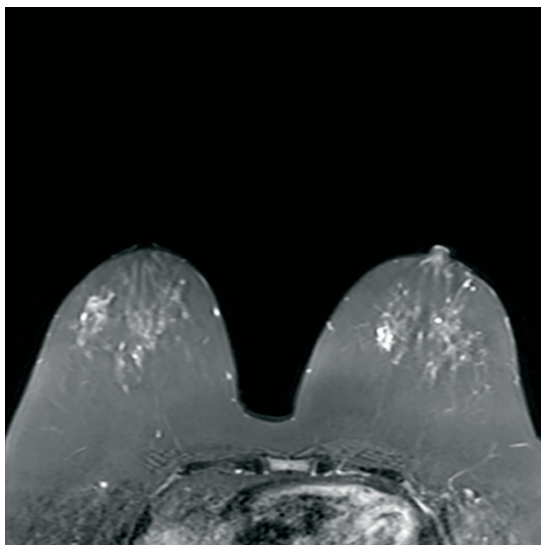
T2 opFSE - optimized FSE provides high SNR imaging



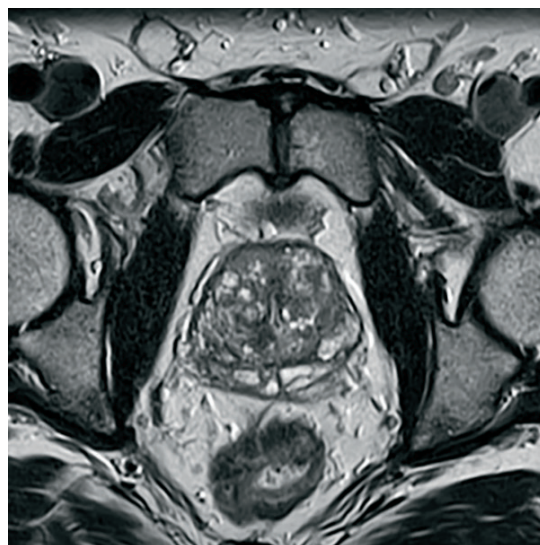
TIGRE Dynamic



DWI B1000

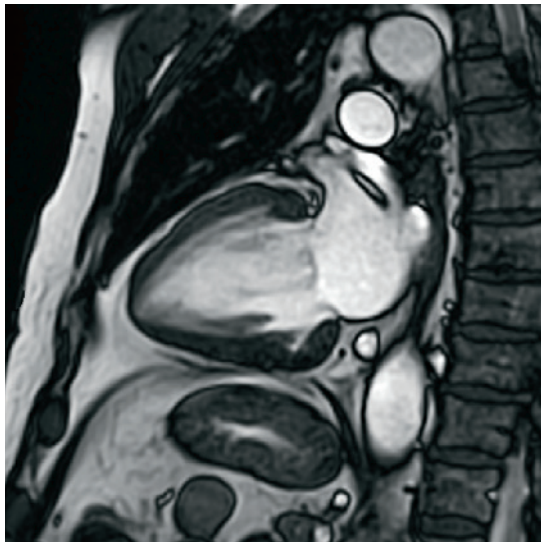


T2 opFSE with FatSat

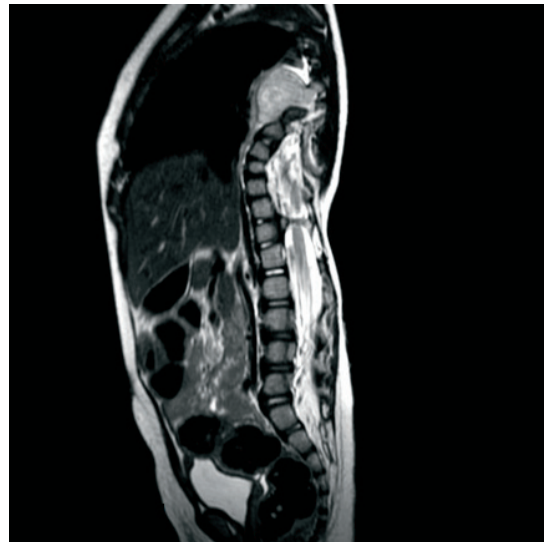


RADAR T2 opFSE for motion compensation

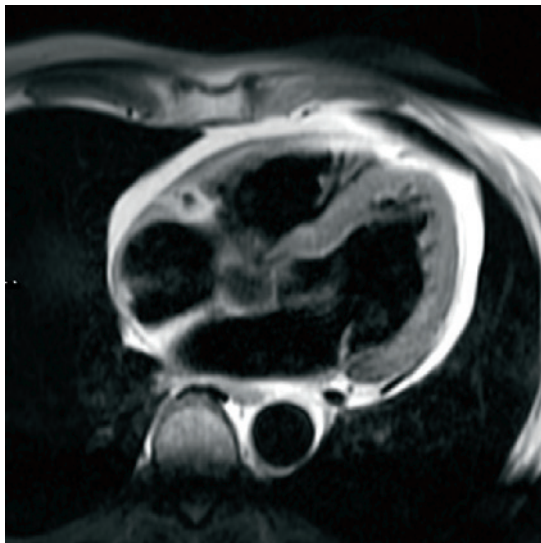
Cardiac



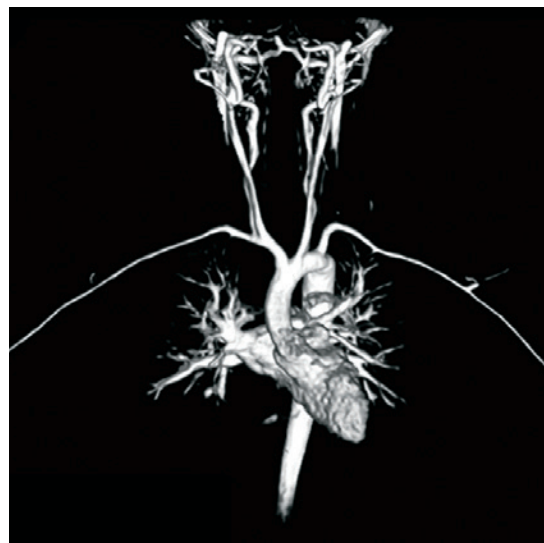
Balanced SARGE (BASG)
2 chamber view



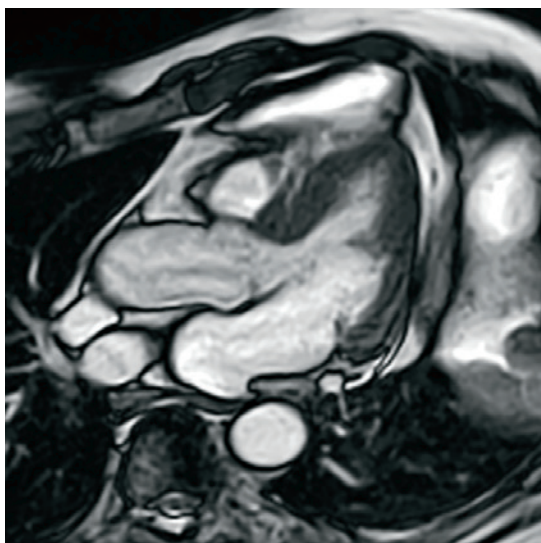
T2 opFSE
1 Year Old



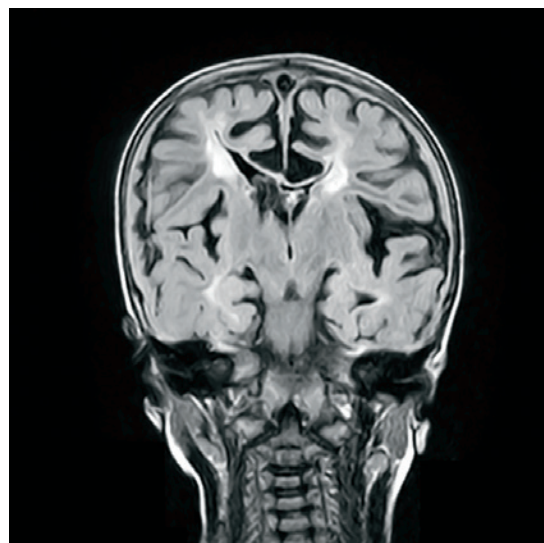
Double Inversion Recovery for black blood



Fluoro Triggered MRA (FLUTE)
5 Years Old



BASG with Retrospective Gating
3 chamber view



Optimized FLAIR (opFIR)
3 Years Old

Industry Leading Support Services

Fujifilm's support services provide unmatched benefits, while minimizing the total cost of ownership. As your preferred partner Fujifilm provides valuable services prior to your purchase including market assessment and site planning support; and once you begin installation of your Fujifilm product we provide you with application assistance and marketing support. Finally, after installation, you can expect unlimited applications training, service, and marketing support for your equipment and your staff. All this is backed by the industry-leading 99% uptime guarantee.

Support



Installation and Rigging

During installation and rigging, Fujifilm will coordinate all activities as well as provide rigging assistance. We will work with you, your contractor, and architect to assure your final installation will meet all electrical and environmental requirements as well as go through a final construction and installation checklist.

Applications

Fujifilm gives you a great deal of help and support with unlimited applications training to ensure you get the most out of your MR, CT, and Ultrasound systems. Our training is thorough, yet concise; we also make sure your technologists keep current with the latest developments and enhancements.

Site accreditation

Fujifilm Applications Specialists provide an independent review of your images prior to submission to help ensure basic image quality and adherence to parameter guidelines.

Marketing

The Fujifilm Advanced Marketing Program provides our customers strategic level creative marketing design at no cost. Many hospitals and imaging centers have taken advantage of this industry-unique added-value. The Advanced Marketing Program provides strategic level creative marketing design unique to a facility's branding campaign.



Innovating for a healthier world

Fujifilm transformed its corporate structure for growth by expanding beyond the traditional photographic film business to six priority business fields, including healthcare – ranging from diagnostic imaging to regenerative medicine.

Our R&D innovations over the decades find us today with highly specialized expertise in increasingly relevant technologies that inform modern healthcare.

For over 80 years Fujifilm has continually invested in research and development resulting in world-class, highly versatile fundamental core technologies.

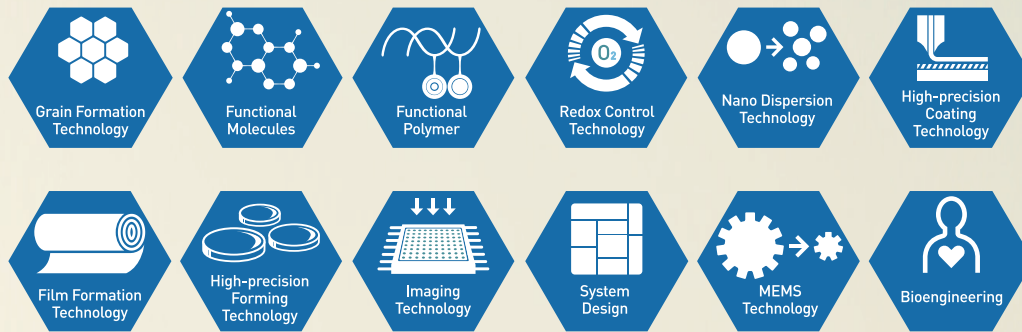
These technologies and knowledge were accumulated in the photographic film business. Today this expertise allows Fujifilm to design and innovate new products and services for diverse businesses that will shape the future for Fujifilm.

We describe this birth of new applications and technologies from Fujifilm's extraordinary background of innovation as leveraging fundamental core technologies.

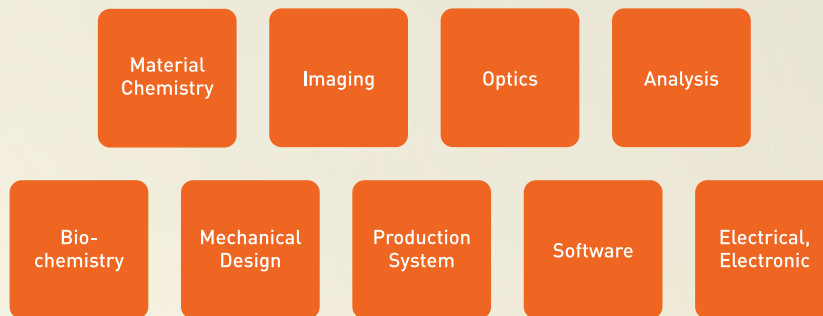


Innovation

CORE TECHNOLOGIES



FUNDAMENTAL TECHNOLOGIES



All of these diagnostic and therapeutic technologies form a highly connected, holistic approach to healthcare, with the goal of helping patients along the entire care pathway, from the earliest diagnosis right through to the development of new regenerative treatments.

**NEVER
STOP**



OVAL
ECHELON

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