

e•SPADES

Your Ace for Diagnostic Excellence



Magnifico^{OPEN}



S•scan^{OPEN}



Enhanced
image quality



G•scan^{OPEN}



O•scan^{SMART}

e•saote
HEALTH WITH CARE

Esaote introduces Artificial Intelligence: **e•SPADES** a fully integrated and customized solution that combines advanced HW with sophisticated SW algorithms, such as **HyperClarity** and **HyperSpeed**, to deliver unparalleled image quality while significantly reduce examination time.

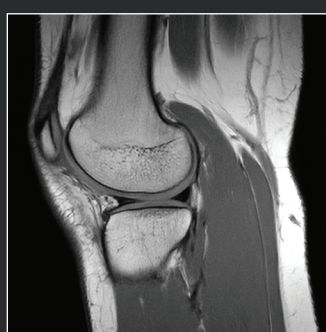
Knee examination protocol example with e•SPADES



FSE T2 - 1:55 min



FSTIR - 2:32 min

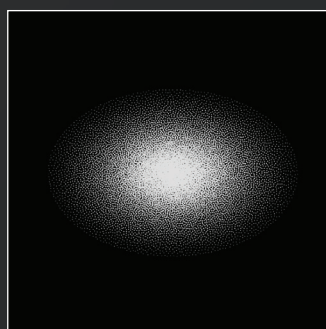


PD - 2:15 min



FSTIR - 2:40 min

Less than **10 minutes**



Raw data



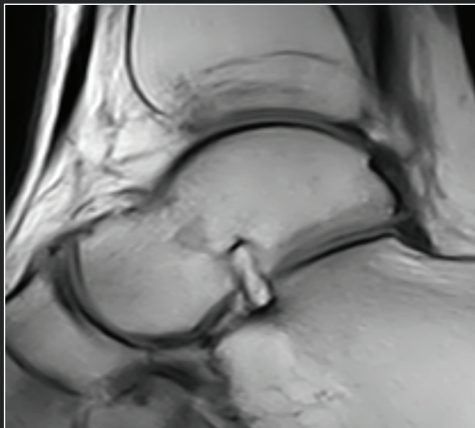
Raw Image



Reconstructed Image

HyperClarity

HyperClarity, powered by **SwiftMR™***, is an advanced integrated SW feature that significantly enhances image quality by improving resolution, reducing noise, and providing physicians with a powerful tool for confident diagnoses.



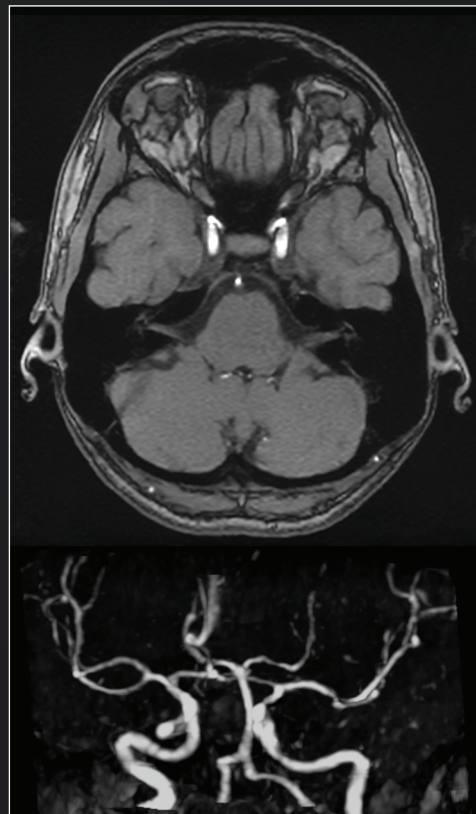
Conventional SE T1 acquired with Magnifico system



HyperClarity SE T1 acquired with Magnifico system



Conventional 3D TOF acquired with Magnifico system

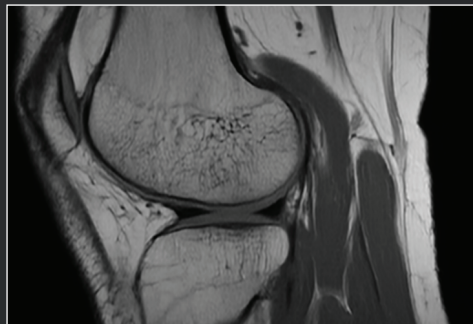


HyperClarity 3D TOF acquired with Magnifico system

HyperClarity



Conventional SE T1 acquired with Magnifico system



HyperClarity SE T1 acquired with Magnifico system



Conventional FSE T2 acquired with Magnifico system



HyperClarity FSE T2 acquired with Magnifico system

HyperSpeed

HyperSpeed is a AI-based SW algorithm that reduces scantime while preserving complete information and detail, ensuring consistent quality. This new AI-powered solution saves up to 60% of scan time, enabling more efficient MRI examinations for improved patient care and higher productivity.



Conventional FSE T2 acquired with
Magnifico system
Scan time: 4:00



HyperSpeed FSE T2
acquired with Magnifico system
Scan time: 1:35



Conventional FSTIR acquired with
Magnifico system
Scan time: 4:14



HyperSpeed FSTIR acquired with
Magnifico system
Scan time: 2:40



Conventional FSE T2 acquired with
Magnifico system
Scan time: 4:22



HyperSpeed FSE T2 acquired with
Magnifico system
Scan time: 2:32

The scan time reduction achievable utilizing HyperSpeed feature, indicated in this leaflet, is derived from individual use cases.



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Esaote S.p.A. - sole-shareholder company

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Italian design