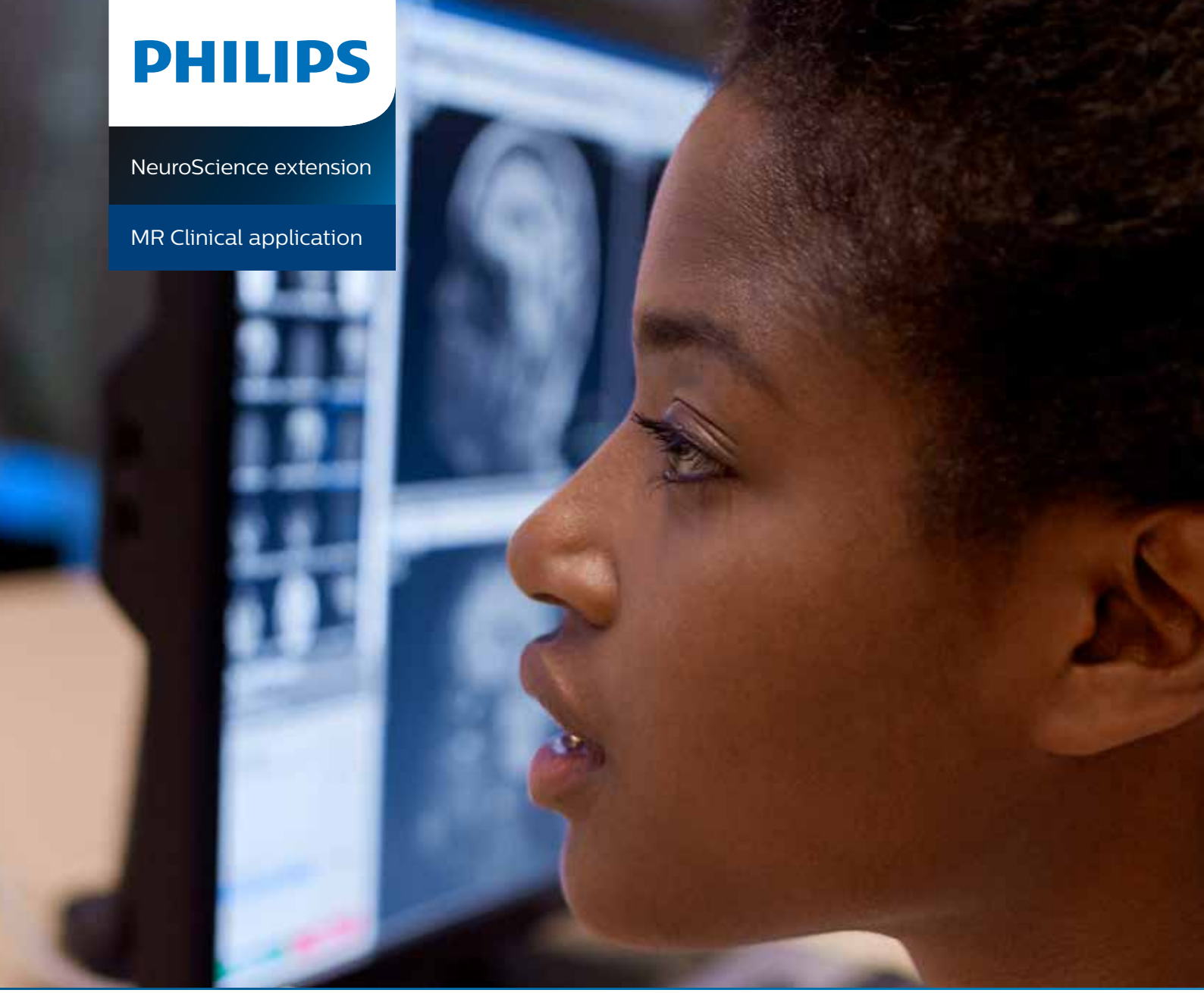
PHILIPS

NeuroScience extension

MR Clinical application



Extend your **diffusion MRI studies**

NeuroScience extension is an add-on to the comprehensive NeuroScience option. The extension brings your multi-shell DTI studies to a higher level. Advanced diffusion gradient control gives the scientific user control of the diffusion encoding gradient duration through selection of multiple diffusion encoding gradient waveforms. Furthermore, 2k DTI provides advanced control over diffusion gradients with up to 2048 independent diffusion encodings (vectors), each with up to 1024 different weightings and 1024 different directions.

NeuroScience extension

Field strength	1.5T and 3.0T Ingenia MR systems, excluding Ingenia Prodiva[1]
Prerequisite	NeuroScience SW option
Main applications	Brain
Sequence	Diffusion Tensor Imaging (DTI)
Image contrast	Diffusion Weighted Imaging (DWI)
Image quality	Enables higher resolution DTI

1 Ingenia Prodiva 1.5T is not for sale in the USA

Diffusion Tensor imaging
b-values: 1000, 2000, 3000
Resolution: 1.7 x 1.7 x 1.7 mm
Scan time: 11:04 min

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b-values: 1000, 2000, 3000
Resolution: 1.7 x 1.7 x 1.7 mm
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