Reduce patient stress to improve MR imaging outcomes



Patient stress in MR exams exacts a high clinical, operational and financial toll



Patient stress results in

- reduced workflow
- patient dissatisfaction
- wasted scanning time³



based on customer surveys⁴

15% patients suffer from claustrophobia during an MRI exam²

Anxiety

reactions including increased heart rate and blood pressure, have been reported in up to



of patients undergoing MRI scans.1



1 out of 5 MRI exams require a rescan

due to patient motion⁵

Rescans due to motion artifacts may cost institutions an estimated

lost per hour

lost per scanner/year⁶

Interventions to increase patient comfort and engagement can have a mitigating impact

Innovation that seeks to mitigate the manifestations of stress can help in the acquisition of more accurate images.

- Comfort
- Operational flow
- Cost savings



Decreased need for anesthesia in pediatric patients

A study concluded that instruction including simulator practice as part of pediatric preparation for MR was associated with decreased need for anesthesia among children going in for an exam.7



with In-bore Connect technology

When using the Ambient Experience MR In-bore Connect, which gives patients in the bore a visual progress bar of time left in breath hold exams, 84% of patients indicated that the progress bar helped them to feel calm.8

By prioritizing innovation that improves the patient experience, we can help radiology teams deliver quality images with confidence.

Learn more at www.philips.com/radiology



- 1. Grey SJ, Price G, Mathews A. Reduction of anxiety during MR imaging: a controlled trial. Magn Reson Imaging. 2000;18:351-55.
- 2. Dewey M1, Schink T, Dewey CF. Claustrophobia during magnetic resonance imaging: cohort study in over 55,000 patients. J Magn Reson Imaging. 2007; 26(5):1322-7.
- 3. Ibid.
- 4. USA customer survey (118), September 2015, data on file.
- 5. Andre, Jalal B., et al. "Towards Quantifying the Prevalence, Severity, and Cost Associated With Patient Motion During Clinical MR Examinations." JACR (2015). Abstract in Fieldstrength.
- 7. Rothman S, Gonen A, Vodonos A, Novack V, Shelef I. <u>Does preparation of children before MRI reduce the need for anesthesia? Prospective randomized control trial</u>. Pediatr Radiol. 2016 Jun 17. [Epub ahead of print] PubMed PMID: 27314584.
- 8. Data on file