

Reduce the Use of General Anaesthesia (GA) for Children undergoing MRI

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Our AIM

- ✓ To reduce number of 0-8 years olds, requiring GA for MRI



METHODOLOGY

- Team comprising paediatric anaesthetists, hospital play therapists & DDII MRI team formulated screening form for assessment
- "Wrap and Feed" Immobilisation technique for babies under 3 months
- MRI "Play therapy" for older children
- Child-friendly scrubs for staff
- Colourful information booklet
- Miniature MRI model with sound of scanning
- Safari-themed scan room
- Watch a movie while under-going MRI scan
- Rewards given to children after successful scan without GA

RESULTS

- ♥ **88% of children (0-8 years old) successfully had MRI without GA in FY13.**
- ♥ Time for scans without GA were of variable duration; usually slightly longer than normal scan time.
- ♥ There was no loss of image quality.
- ♥ Causes for failed trial of no GA was mainly from parent refusal and patient inability to tolerate inactivity.
- ♥ GA cases for all age groups dropped from 22% in FY 2012 to 20% in FY 2013

FUTURE PLAN

- To target all children referred for MRI under GA, to be assessed by our team. During the study, only 10% were assessed before procedure.

