Pediatric Challenges

- **Radiation exposure at the lowest possible dose**
- **Patient cooperation** while scanning
  - Patient movement
  - Breath holding
  - Sedation protocols requiring resources and patient-safety concerns
- Imaging with **rapid respiration and high heart rates**

Unique Solutions

- **Pediatric-specific dose reduction** protocols
  - Up to 25% dose reduction with the Adaptive Dose Shield (clinically irrelevant dose is eliminated)
  - Heart imaging well below 1 mSv using pediatric protocols
- **Split-second pediatric scanning**
  - No breath hold, virtually eliminates patient artifacts
  - No sedation required – Flash Speed
- **Can scan pediatric hearts over 120 beats/minute**
  - Irregular heart rates
  - Arrhythmias
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