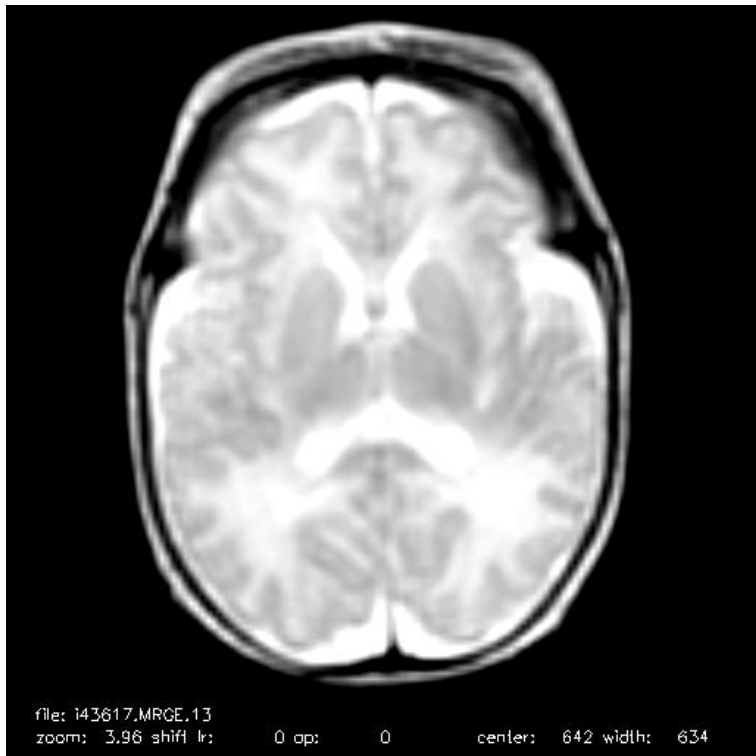


MR Imaging of the Neonate

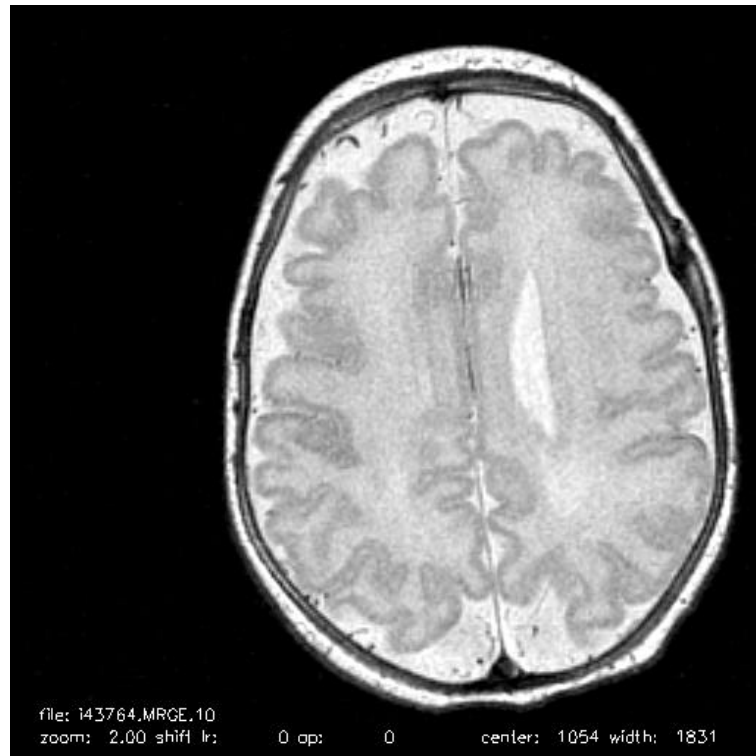
ESMRN 14-16th March 2002

- Excerpt -

Imaging performance head coil

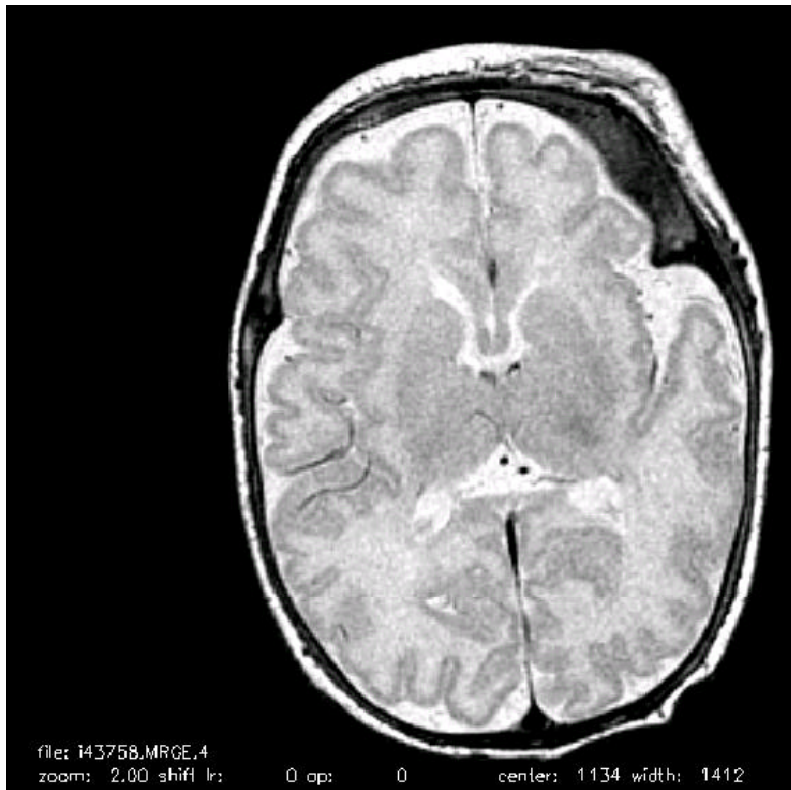
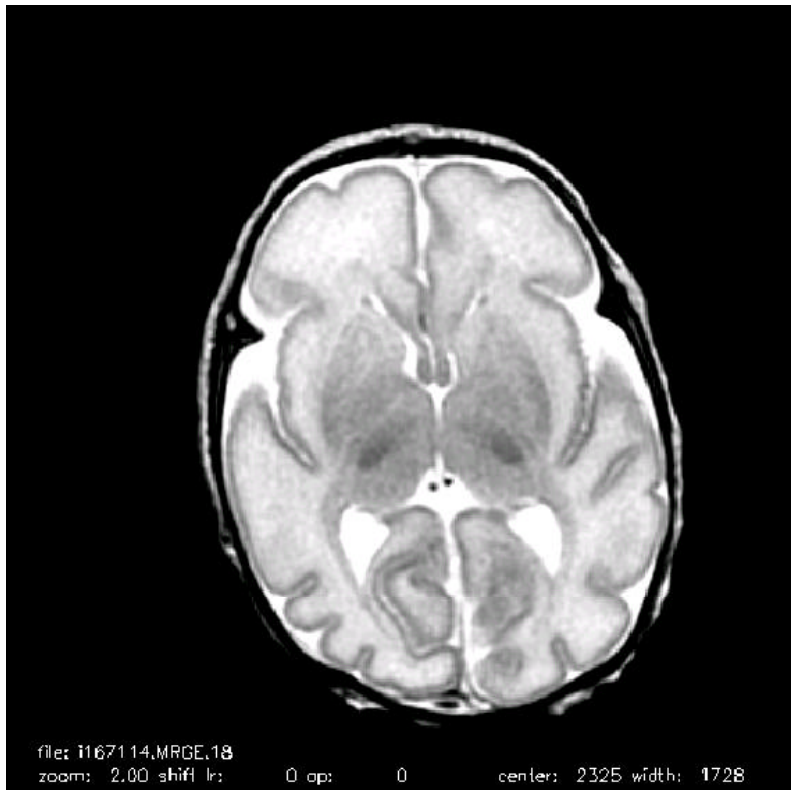


knee coil



neo head coil

Imaging performance head coil



Courtesy of Dr. S. Bluml, CHLA

Medical indication

Brain

Cerebral hypoxia/ischaemia

Haemorrhagic brain lesion

Cerebral arterovenous malformation

Metabolic syndromes

Lung

RDS

Chronic lung diseases

Heart

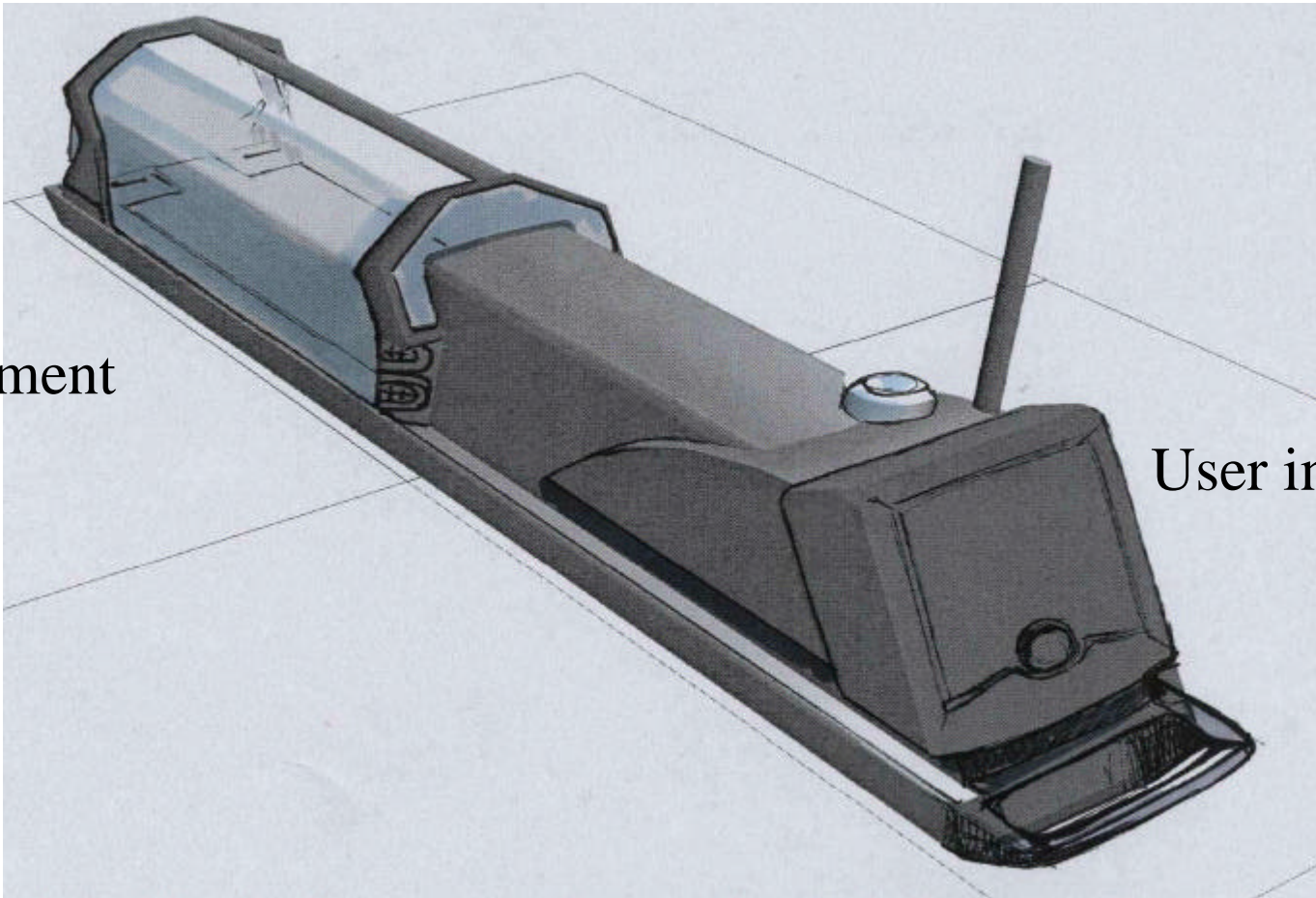
Congenital Malformation

Abdomen

Bowel necrosis

Hydronephrosis

MRI Incubator Design



Patient
compartment

User interface

Incubator System

- MR compatible Incubator
Servo Humidity and Air temperature control
- Neonatal T/R Head Coil
- MR compatible Trolley
UPS, O₂, shock absorbers