

SHUNTS AND ITS COMPLICATIONS

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EANS COURSE
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Antwerp

SHUNTS AND ITS COMPLICATIONS

- 65 y, female, mental retardation
- Chiari I + hydrocephalus (1992)
- Decompression + shunt
- Lumbar surgery (2000)

SHUNTS AND ITS COMPLICATIONS

- Feb 2008 - headache, disorientation, somnolence, fever, nuchal rigidity
- CSF
 - how
 - what for
 - what to expect

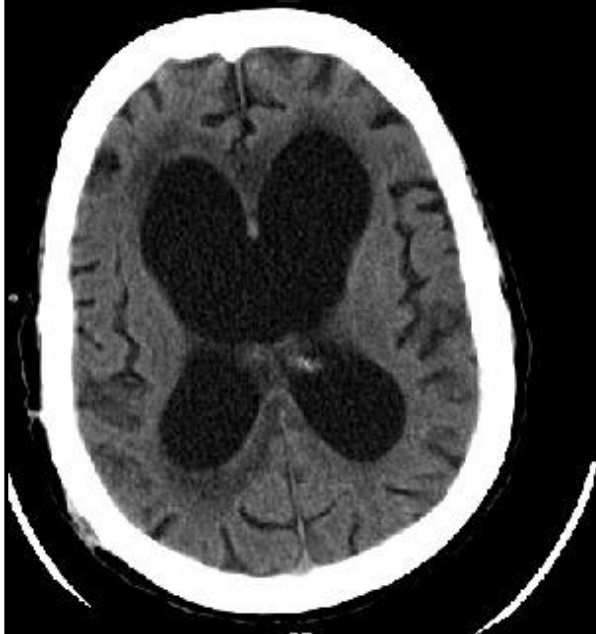
SHUNTS AND ITS COMPLICATIONS

- Feb 2008 - headache, disorientation, somnolence, fever, nuchal rigidity
- CSF
- Blood samples
- CT scan

AH

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BrightSpeed

2008-02-26
22:55:00
No.34
TC CRANIO -ENCEFALICA



L R

C: 40
W: 90

PF

AH



GT:12
SP:-83.45
SL:5
CM:

PF

AH

Hospitais da Univer. de Coimbra
BrightSpeed

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2008-02-26
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TC CRANIO -ENCEFALICA



L R

C: 40

AH



GT:12
SP:-73.23
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CM:

SHUNTS AND ITS COMPLICATIONS

- ?
- Removal + antibiotics (+ EVD ?)
- Antibiotics + immediate replacement
- Antibiotics alone

SHUNTS AND ITS COMPLICATIONS

- Shunt hardware for culture ?
- Resistance to removal distal end
- Contrast injection

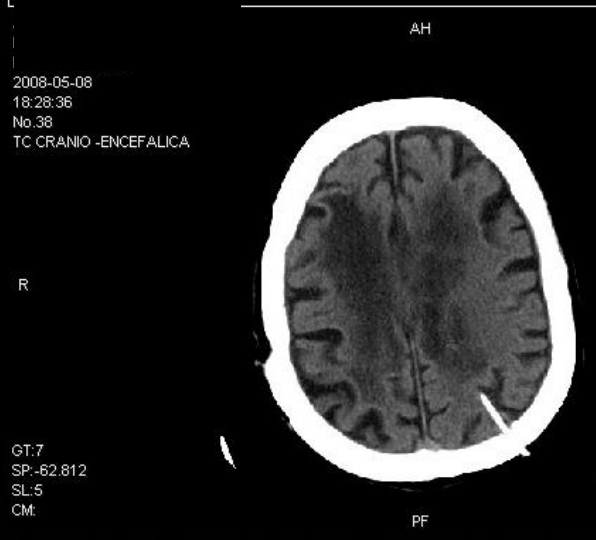
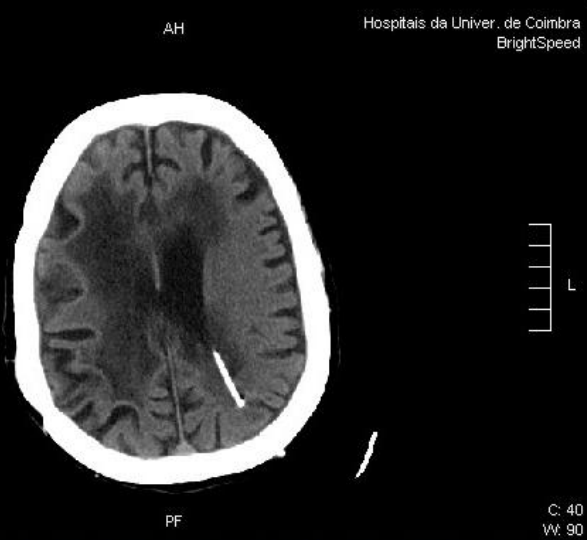
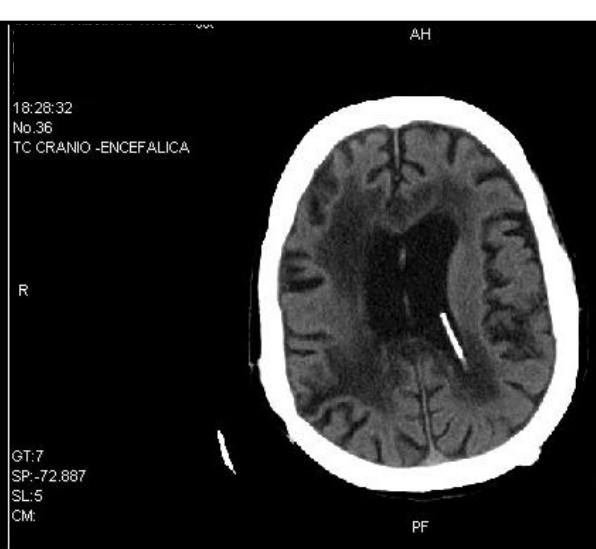
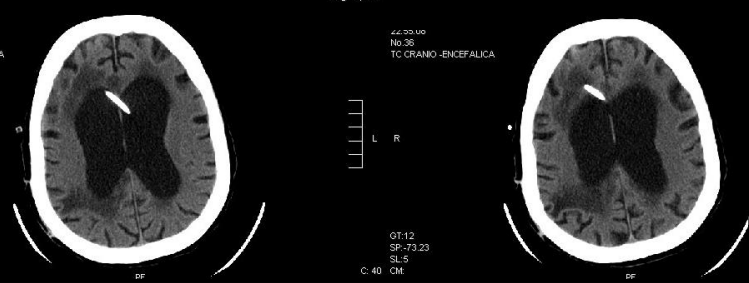
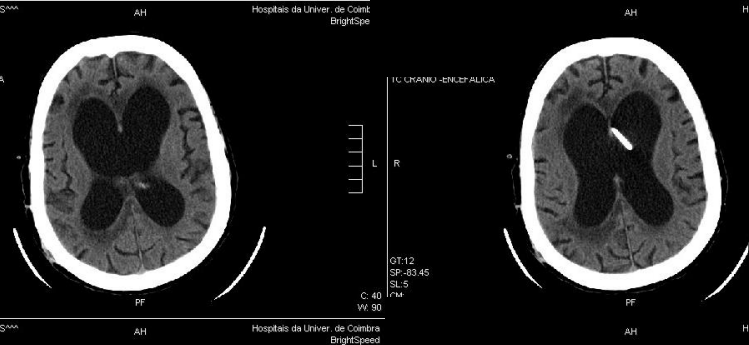


SHUNTS AND ITS COMPLICATIONS

- Laparotomy and ascending colon opening with removal and reparation
- CSF - E. coli + Enterococcus cassiliflavus

SHUNTS AND ITS COMPLICATIONS

- Pos-op no complications, infection resolution
- New VP shunt
- Good clinical evolution
- CT (08/05/08) - OK



SHUNTS AND ITS COMPLICATIONS

- Fall, head injury
- 3 days later - lethargy, disorientation
- No fever, no nuchal rigidity
- CT

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PF



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W: 90

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PF

AH

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AH

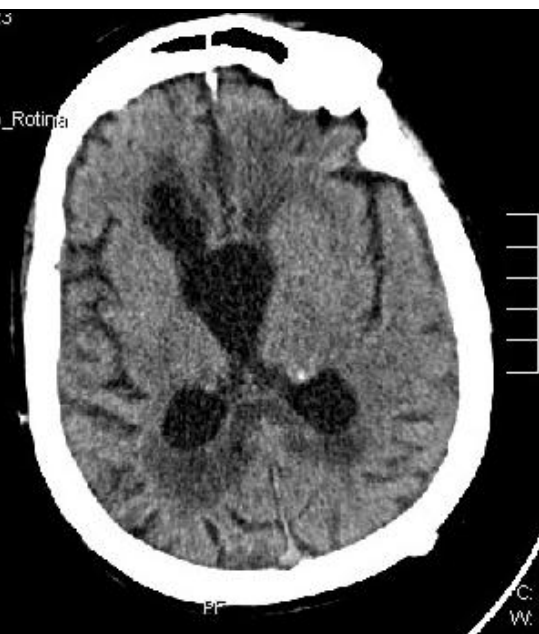
SHUNTS AND ITS COMPLICATIONS

- 1) shunt closure – Ø
- 2) bilateral trepanation – persistence of
significant effusion
- 3) repeated aspiration – partial resolution



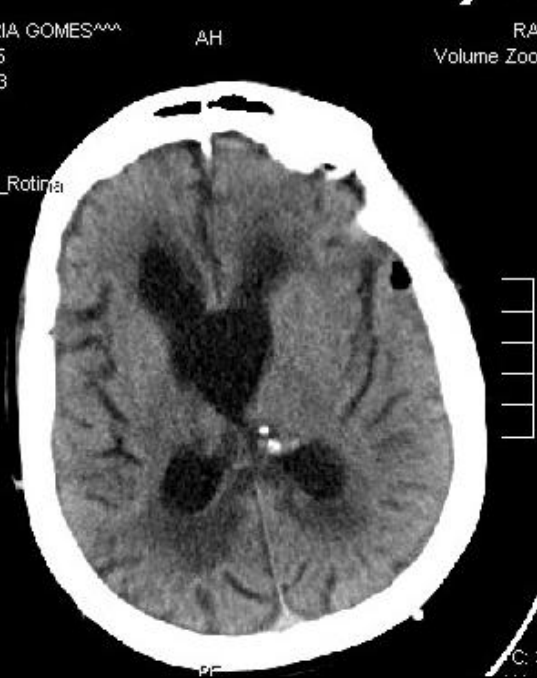
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CM:
C: 37
W: 80



DOB:1943-02-23
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No.22
Head^M_Cranio_Rotina

GT:-5
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SL:1
CM:
C: 37
W: 80



2008-06-19
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No.2
Head^M_Cranio_Rotina

GT:-5
SP:286.515
SL:8
CM:
C: 37



2008-06-19
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No.3
Head^M_Cranio_Rotina

GT:-5
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SL:8
CM:
C: 37



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TC CRANIO -ENCEFALICA

Hospitais da Univer. de Coimbra
BrightSpeed

R

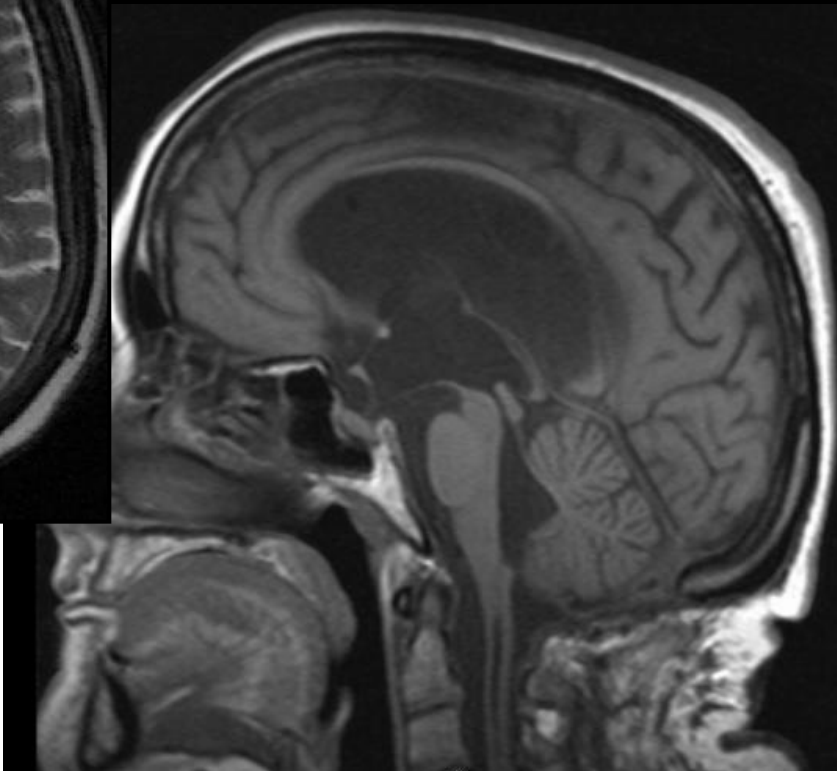
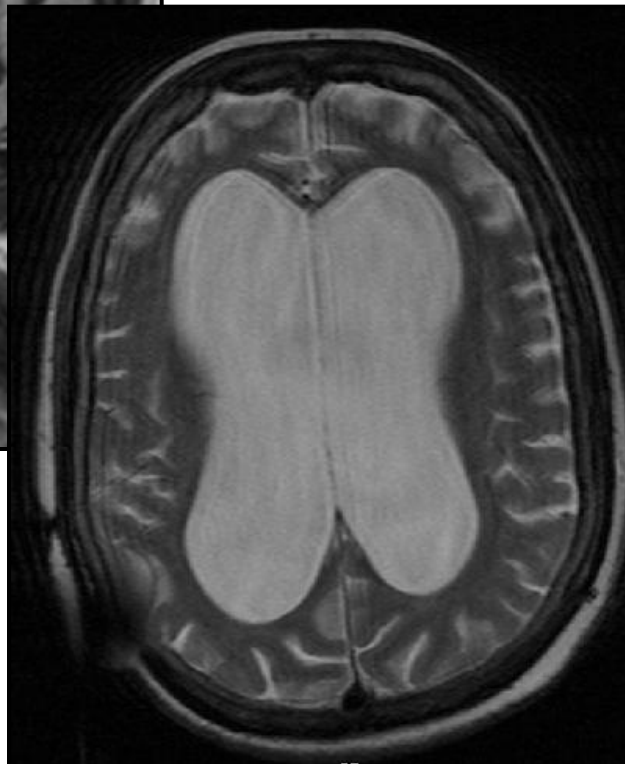
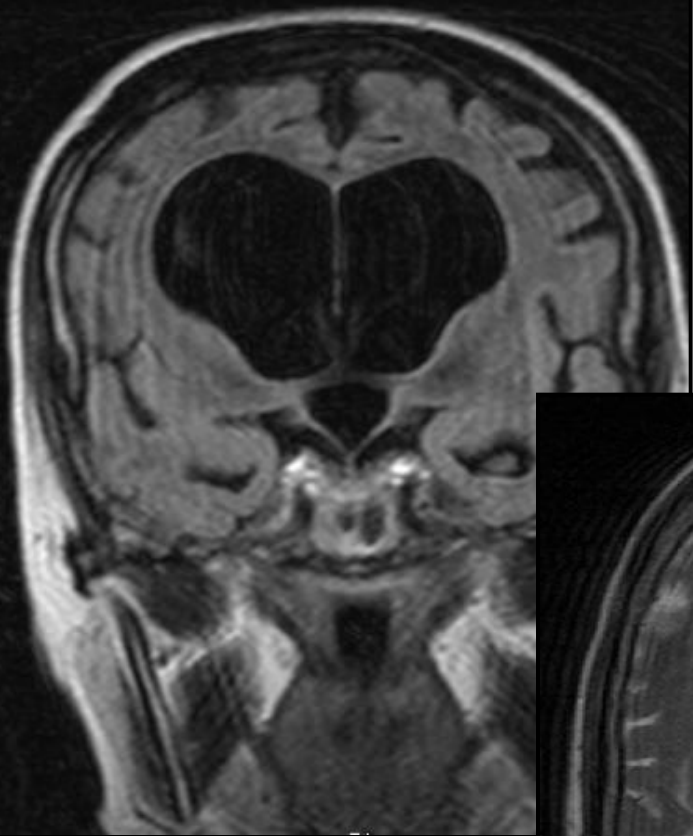


L

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CM:

PF

C: 40
W: 90



SHUNTS AND ITS COMPLICATIONS

- Risk reduction
- Prophylatic antibiotics
- 1st operation of the day
- Restrict room personnel
- Double gloves
- Antibiotic soaking