SHUNTS AND ITS COMPLICATIONS

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EANS COURSE
Sep, 2008
Antwerp
SHUNTS AND ITS COMPLICATIONS

- 65 y, female, mental retardation
- Chiari I + hydrocephalus (1992)
- Decompression + shunt
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• Feb 2008 - headache, disorientation, somnolence, fever, nuchal rigidity

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

• CSF

• Blood samples

• CT scan
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- ?
- Removal + antibiotics (+ EVD ?)
- Antibiotics + immediate replacement
- Antibiotics alone
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• Shunt hardware for culture?

• Resistance to removal distal end

• Contrast injection
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- Laparotomy and ascending colon opening with removal and reparation

- CSF - E. coli + Enterococcus cassiliflavus
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• Pos-op no complications, infection resolution

• New VP shunt

• Good clinical evolution

• CT (08/05/08) - OK
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- Fall, head injury
- 3 days later - lethargy, disorientation
- No fever, no nuchal rigidity
- CT
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• 1) shunt closure – Ø

• 2) bilateral trepanation – persistence of significant effusion

• 3) repeated aspiration – partial resolution
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- Risk reduction
- Prophylactic antibiotics
- 1st operation of the day
- Restrict room personnel
- Double gloves
- Antibiotic soaking