

Factors influencing timing of cerebrospinal fluid leak after endoscopic skull base surgery (ESBS)

A multicenter study

Patient population



184

Patients undergoing ESBS

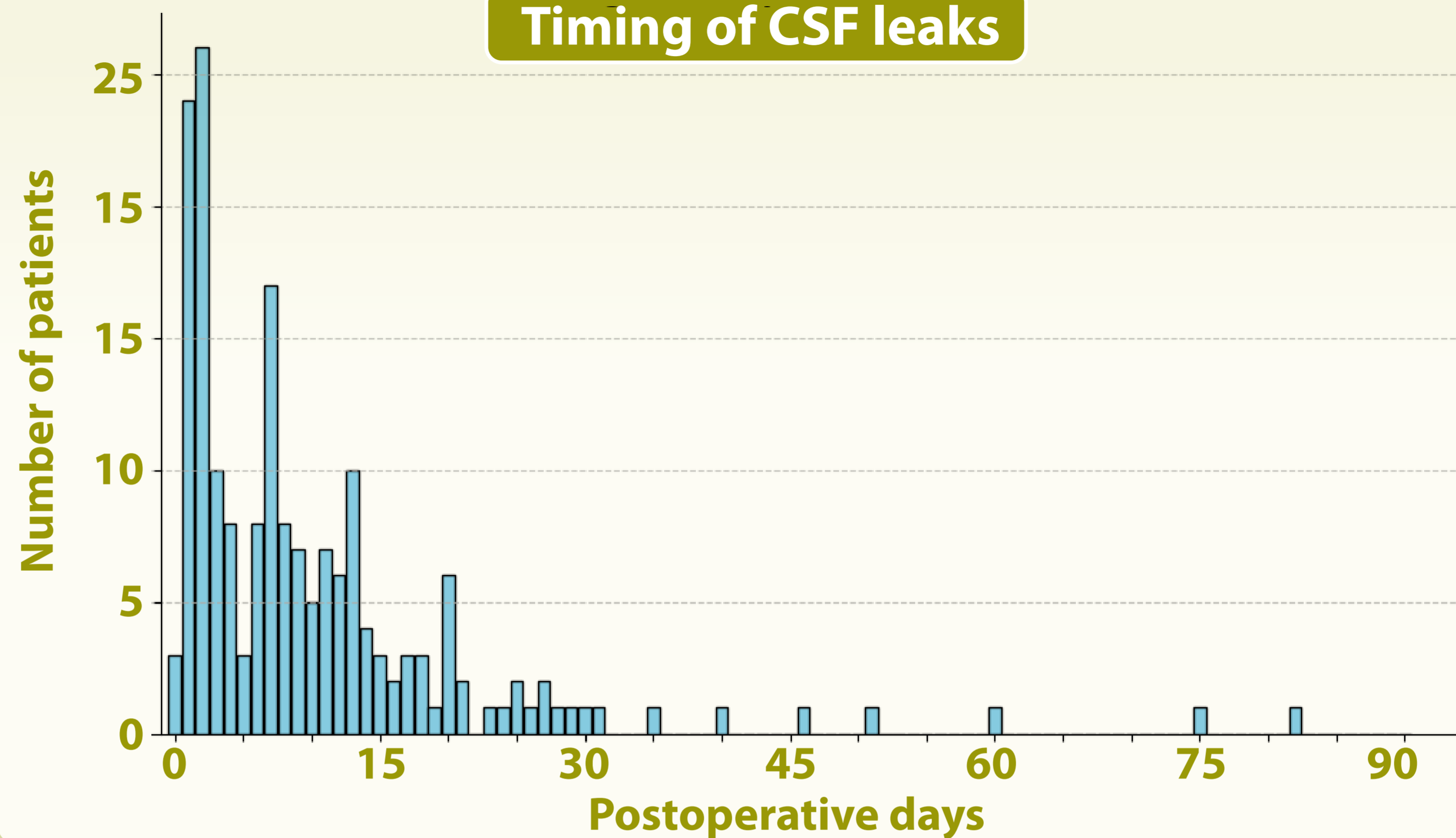


5 institutions



2010-2024

Timing of CSF leaks



Conclusions

Multiple patient and intraoperative factors can influence the timing of postoperative CSF leaks.

Further studies are needed to validate these findings and provide guidance for postoperative care after ESBS.



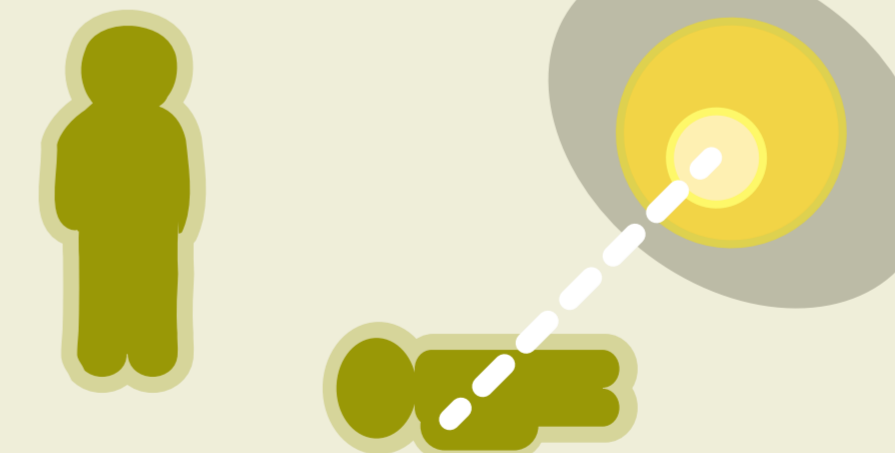
Day 7

Median postoperative day of CSF leak



Associated with delayed CSF leak

- History of radiation
- Large defect size
- BMI < 25
- Clival defects
- Recurrent tumour
- Use of CSF diversion



BMI and history of radiation retained significance on multivariate analysis