If Treatment Fails

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Why Treatment Fails

• Diagnosis incorrect or incomplete
• Exacerbating factors missed
• Co-existent medical or psychiatric disorders
• Treatment inadequate
Persistent Headache Post-Treatment

- Complication of the CSF leak
  - Persistent Leak
  - Reset hydrostatic indifferent point
  - Central sensitization/Exacerbation of pre-existing headache disorder

- Complication of Treatment
  - Rebound Hypertension
**Persistent Headache Post-Treatment**

*Exacerbating Factors Missed*

- Acute medication overuse (including OTC)
- Caffeine overuse
- Sleep deprivation
- Psychosocial factors
- Other medications that trigger headaches
Persistent Headache Post-Treatment

Two Headache Disorders Present

• POTS
• Migraine
• Medication overuse headache
• Idiopathic intracranial hypertension
Persistent Headache Post-Treatment

Treatment Inadequate

- Persistent (occult?) leak
- Reset Hydrostatic indifferent point
- Capacious dural sack
- CNS sensitization
- Rebound intracranial hypertension