

When the Cure Becomes the Cause: A Case of Post-Amoxicillin Aseptic Meningitis

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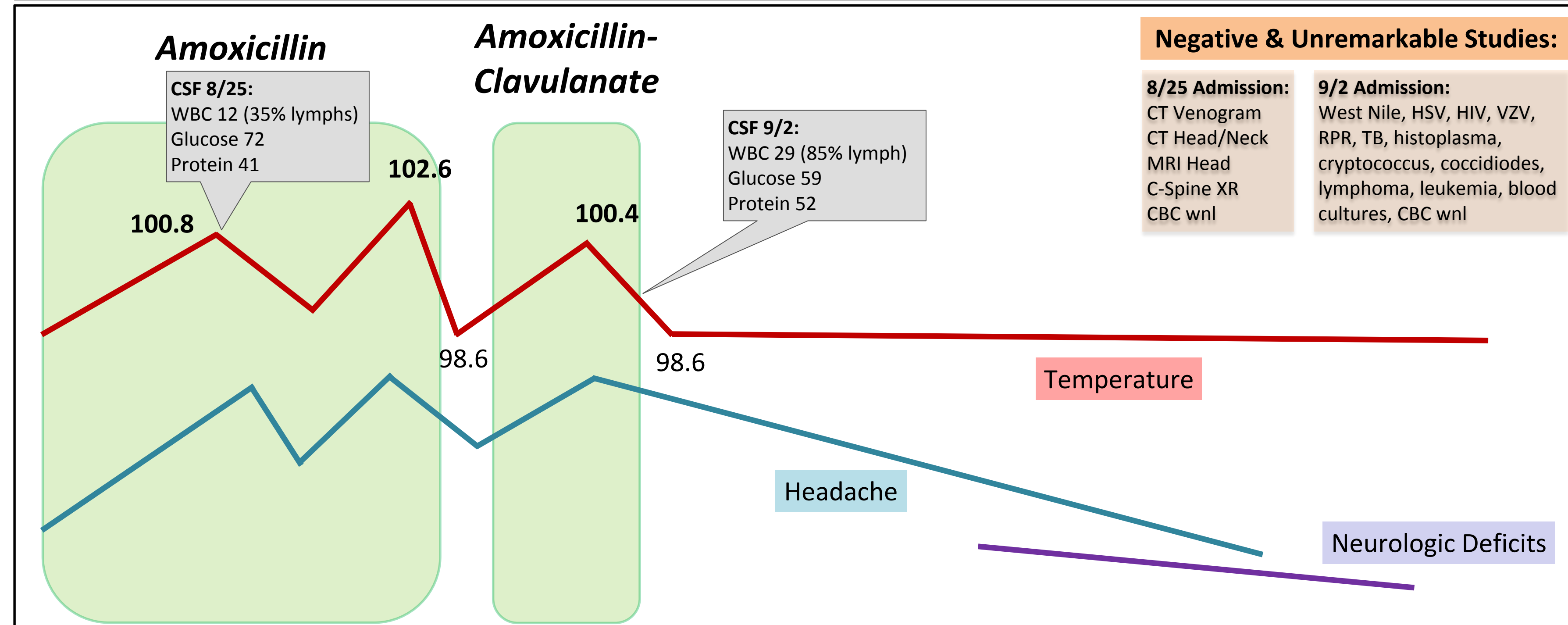
INTRODUCTION

- Aseptic meningitis is inflammation of the meninges caused by atypical bacteria, viral infections, or more rarely, by medication
- Presented here is the ninth reported case of amoxicillin induced aseptic meningitis (AIAM) and first case reporting transient, delayed-onset, focal neurologic deficits

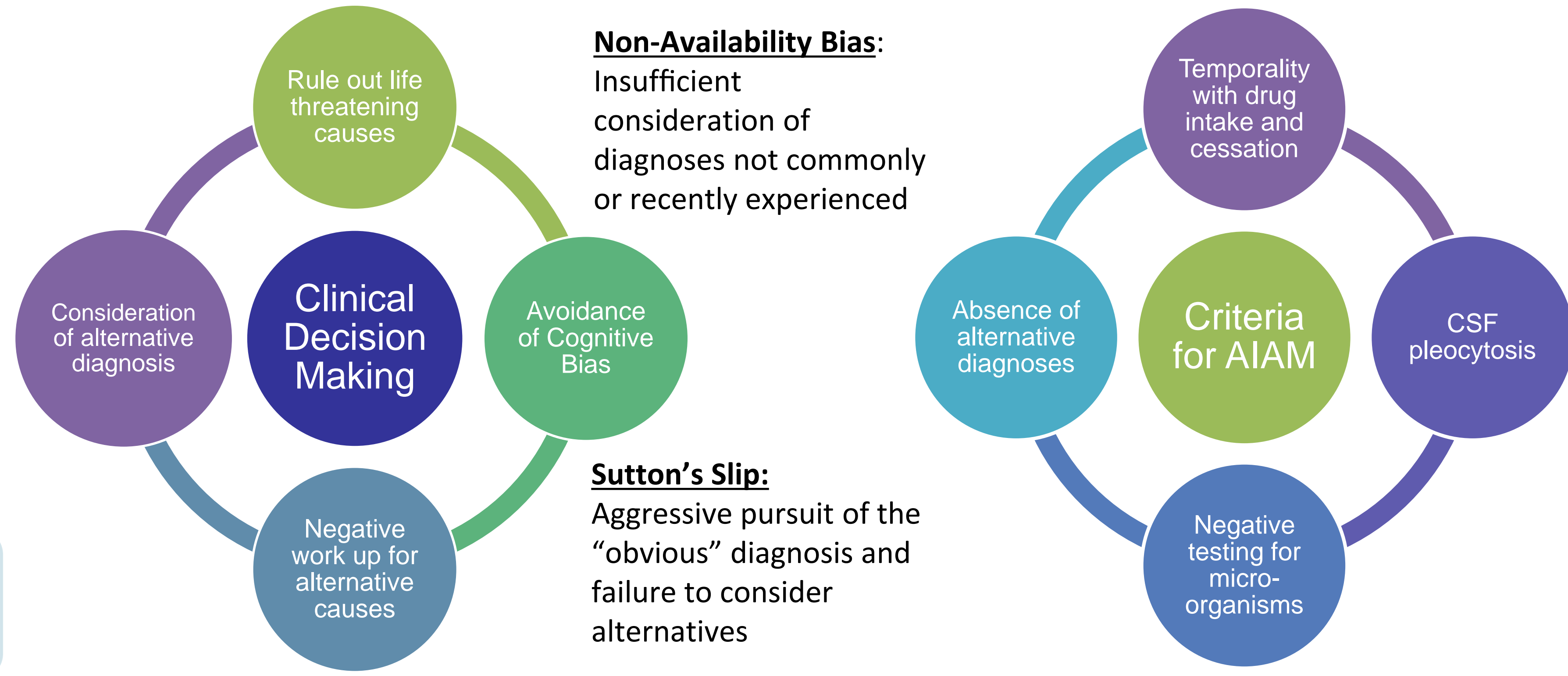
BACKGROUND

ID	63 y/o male presented to the ED with a severe headache and associated fever, nausea, subjective neck stiffness and reported 104F temperature at home
Recent History	One week prior he underwent a tooth extraction and was started on amoxicillin
PMHx	Migraines, controlled with rare NSAIDs. Otherwise healthy; could not remember last antibiotics prior to dental work
ID Exposures	Denied recent travel, pets, sick contacts, IVDU, recent time in military or confined quarters

EVOLUTION of the CASE






Timeline: Tooth Pulled (8/19), ED Visit (8/22), Admission 1 (8/25-30), Admission 2 (9/2-5), PCP f/u #1 (9/11), PCP f/u #2 (11/10)



COMPARISON TO PRIOR CASES

	Prior Cases	Our Case
Type of Symptoms	HA, nausea, fever, neck stiffness	HA, nausea, fever, neck stiffness
Onset of Symptoms	6 hours - 12 days	2 days
Cumulative Exposure	1 day - 12 days	7 days
Resolution of Symptoms	2 days - 4 months	2 months

LEARNING POINTS

-  Increased awareness of AIAM and other culprit drugs
-  Patient education about potential side effects of amoxicillin
-  Avoidance of cognitive bias in clinical decision making

LITERATURE REVIEW

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