

## Introduction

Benign recurrent aseptic meningitis or "Mollaret's meningitis" named after the French neurologist Pierre Mollaret who first described the syndrome, is a rare benign form of painful meningitis in which patients have recurrent episodes that often resolve spontaneously. The majority of these cases are secondary to herpes simplex virus type 2 (HSV2). Strategies to prevent recurrence have been explored including suppressive therapy with antivirals.

# **Case Description**

#### **HPI:**

• 36-year-old male with a history of recurrent herpes simplex virus type 2 lymphocytic meningitis who presented with acute onset severe headache, neck pain and stiffness, photophobia, nausea, and vomiting.

#### **PMH:**

- Recurrent HSV2 meningitis (five episodes)
- Hypertension
- Alcohol use disorder
- Tobacco use disorder

#### **Medications:**

• Hydrochlorothiazide/lisinopril combo pill

#### **Physical Exam:**

- Tmax 100.2°F, hemodynamically stable
- Notable for:
- Young male in moderate distress lying in a dark room with eyes covered, norma mentation
- Nuchal rigidity
- Positive Brudzinski and Kernig signs
- No rash

#### Labs:

- CBC with leukocytosis 13.2 with increase neutrophil count
- CMP within normal limits
- Lactic acidic 2.87

#### **Imaging:**

• Head CT without contrast showed no acute intracranial process

#### SH:

- Lives with wife in Wilsonville, O
- Works in construction
- Chews tobacco daily
- Drinks 3-4 beers daily
- Denies illicit drug use

# **A Real Pain in the Neck**

## Kelsey Shaver, MD\* and Kyle Kent, MD\* ‡

\*Department of Medicine, Oregon Health and Science University, ‡Department of Medicine, VA Portland Health Care System

CSF	Findings	<b>Reference Range</b>
WBC count RBC count Mono, Histo/Me Neutrophil Lymphocyte Eosinophil Basophil Protein Glucose	540 (H) 11 (H) 50 36% 26% 26% 35% 1% 2% 107 (H) 63 ysis showed a lympho	0-6 (cells/μL) 0-0 (cells/μL) 15-45 (mg/dL) 40-70 (mg/dL)
and viral meni vancomycin, a	as treated empirion ngitis with IV ce and IV acyclovir	
• •	ement in the first	
	lay total course	l onto oral acyclovir to
• HSV 2 PCR p	ositive	
Benign rec	current ase	ptic meningitis
Recurrent episod	des of meningitis	
Usually lasting 2	2-5 days with spor	ntaneous recovery
One-half of patie manifestations <sup>3</sup>	ents have transient	t neurological
Characteristic CSF findings show a lymphocytic pleocytosis		
HSV PCR of CS	SF is positive in 85	5% of patients <sup>4</sup>



## prevent recurrence in these patients?

that suppressive antivirals have been shown to decrease the frequency genital herpes<sup>2</sup>

ypothesis is that the use of suppressive antiviral therapy may decrease nce of meningitis episodes

et al. performed a double-blind, randomized controlled trial comparing ir versus placebo both during therapy and for the year following valacyclovir and placebo



### me points

current aseptic meningitis is a rare benign form of recurrent meningitis

ity of these cases are secondary to herpes simplex virus type 2

ve therapy did not decrease recurrence of meningitis compared to

ve therapy with antivirals actually produced a rebound effect after of the active drug, which resulted in a higher recurrence of meningitis in eated with suppressive therapy

#### ces

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