

# Free Living Ameba Case Report

Date of Report: \_\_\_\_\_

## **Demographics**

Patient's Last Name		First	M.I.	Age	Gender: <input type="checkbox"/> Male <input type="checkbox"/> Female <input type="checkbox"/> Unknown
Ethnicity: <input type="checkbox"/> Hispanic <input type="checkbox"/> Unknown <input type="checkbox"/> Non-Hispanic		Race: <input type="checkbox"/> White <input type="checkbox"/> Asian/Pacific Islander <input type="checkbox"/> Unknown <input type="checkbox"/> Black <input type="checkbox"/> American Indian <input type="checkbox"/> Other _____		County and State of Residence: _____ County and State of Treatment: _____	
Immigrant? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		Country of origin: _____		Date of immigration: _____	Occupation: _____

## **Exposure History**

County/State of Suspected Exposure: \_\_\_\_\_ / \_\_\_\_\_ Number of persons exposed (if known): \_\_\_\_\_

**Source of possible exposure, if known:** (please check all that apply and provide best estimates of dates)

<b>Recreational Water Exposures</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <i>If "yes", please fill out specifics</i>	<b>Type:</b> <input type="checkbox"/> Canal <input type="checkbox"/> Lake <input type="checkbox"/> Pond <input type="checkbox"/> Ocean <input type="checkbox"/> River/Stream <input type="checkbox"/> Well <input type="checkbox"/> Other, specify _____	<b>Date(s):</b> _____ _____ _____	<b>Type:</b> <input type="checkbox"/> Private Club Pool <input type="checkbox"/> Private Home Pool <input type="checkbox"/> Fill-and-Drain Pool <input type="checkbox"/> Hotel Pool <input type="checkbox"/> Spring (hot/cold) <input type="checkbox"/> Spa/hot tub/whirlpool	<b>Date(s):</b> _____ _____ _____	<b>Type:</b> <input type="checkbox"/> Community Pool <input type="checkbox"/> Apartment Pool <input type="checkbox"/> Fountain <input type="checkbox"/> Water park	<b>Date(s):</b> _____ _____ _____
<b>Recreational Water Activities</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <i>If "yes", please fill out specifics</i>	Diving into water Inhaled water Jumped into water Swallowed water Splashed water	Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input type="checkbox"/>	Snorkeling/scuba diving Swimming Water sports (skiing etc.) Wore nose clip or plugged nose when jumping/diving Other, specify _____	Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input type="checkbox"/>		
<b>Nasal Irrigation</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <i>If "yes", please fill out specifics</i>	<b>Type:</b> <input type="checkbox"/> Neti pot <input type="checkbox"/> Squeeze bottle <input type="checkbox"/> Shower nozzle <input type="checkbox"/> Other, specify _____	<b>Date(s):</b> _____		<b>Date(s):</b> _____		
<b>Soil Exposures</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <i>If "yes", please fill out specifics</i>	<b>Type:</b> <input type="checkbox"/> Gardening <input type="checkbox"/> Composting <input type="checkbox"/> Farm/Ranch <input type="checkbox"/> Other, specify _____	<b>Date(s):</b> _____		<b>Occupational Exposures</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <i>If "yes", please fill out specifics</i>		
				<input type="checkbox"/> Farmer/rancher <input type="checkbox"/> Firefighter <input type="checkbox"/> Lifeguard/pool attendant <input type="checkbox"/> Other, specify: _____		

**Route of Entry if known:** (please check all that apply)  Inhalation  Contact  Other, specify: \_\_\_\_\_  
 Ingestion  Via Wound

**If Water Source , Please List Source Characteristics:**

Name of Water Exposure: \_\_\_\_\_ Geospatial Coordinates: \_\_\_\_\_ Thermally Polluted: Y / N  
 Size of Body Water:  < 10 acres  10-100 acres  >100 acres  Unknown  
 Water Turbidity:  Clear  Cloudy  Murky  Unknown  
 Water level:  Low  High  Normal  Flood Stage  Unknown  
 Flow Rate:  Slow  Normal  Fast  Unknown  
 Ambient Air Temperature: \_\_\_\_ F/C Water Temperature: \_\_\_\_ F/C Depth: \_\_\_\_\_

**Travel History last 2 years:**  Yes  No  Unknown      If yes, please specify in table below:

Locations	Dates (from – to)

**Past Medical History:**

***Please check all conditions/symptoms that patient has currently or has had within past 2 years:***

**Treatment/drugs:**

- Excessive antibiotic use (specify in Provider comments)
- Illegal drug use, specify: \_\_\_\_\_
- Immunosuppressants
- Radiation therapy
- Steroid use

**HIV/AIDS:**

HIV	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unknown
AIDS	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unknown
On Antiretrovirals	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unknown

**Other Immunocompromised Conditions**

- Alcohol misuse
- G6PD deficiency
- Malnourishment
- Renal failure
- Systemic Lupus Erythematosus (SLE)
- Cancer, specify: \_\_\_\_\_
- Other hematologic disease, specify: \_\_\_\_\_
- Other autoimmune disease, specify: \_\_\_\_\_
- Organ transplant, specify: \_\_\_\_\_
- Diabetes mellitus
- Liver cirrhosis
- Pregnancy (recent)
- Lymphoproliferative disease

**ENT/Respiratory:**

- Otitis
- Rhinitis
- Broken Nose
- Deviated septum
- Tuberculosis
- Other lung disease, specify: \_\_\_\_\_

**Other Conditions:**

- Sinusitis
- Epistaxis
- Nasal Surgery
- Pharyngitis
- Pneumonitis
- Dermatitis
- Skin infections
- Eye infection
- Other, specify: \_\_\_\_\_
- Injury, specify: \_\_\_\_\_

**Current Illness**

Date of Illness onset: \_\_\_\_\_      Duration of illness: (in days) \_\_\_\_\_

Was patient admitted to hospital for current illness?  Yes  No  Unknown

If Yes, Date of **most recent** hospitalization: \_\_\_\_\_      Duration of most recent hospitalization (in days): \_\_\_\_\_

Hospital Name: \_\_\_\_\_      City: \_\_\_\_\_      State: \_\_\_\_\_

Physician Name 1: \_\_\_\_\_      E-mail (if avail): \_\_\_\_\_      Phone: \_\_\_\_\_

Physician Name 2: \_\_\_\_\_      E-mail (if avail): \_\_\_\_\_      Phone: \_\_\_\_\_

Other Recent Hospitalizations:  Yes  No  Unknown

Dates (from- to)	Diagnosis

**History of Present Illness:**

Please provide a brief description of the patient's clinical course, prior to hospitalization:

**Signs/Symptoms on Presentation (most recent hospitalization):**

**Vital Signs:**

Temperature: \_\_\_\_\_ F / C      P: \_\_\_\_\_ bpm      R= \_\_\_\_\_ breaths/min      BP: \_\_\_\_\_ mmHg

**General:**

- |   |                       |  |                       |
|---|-----------------------|--|-----------------------|
| <input type="checkbox"/> Fever                                      | Duration (days) _____ | <input type="checkbox"/> Myalgia             | Duration (days) _____ |
| <input type="checkbox"/> Nausea                                     | _____                 | <input type="checkbox"/> Back Pain           | _____                 |
| <input type="checkbox"/> Vomiting                                   | _____                 | <input type="checkbox"/> Cough               | _____                 |
| <input type="checkbox"/> Diarrhea                                   | _____                 | <input type="checkbox"/> Shortness of breath | _____                 |
| <input type="checkbox"/> Weight loss                                | _____                 | <input type="checkbox"/> Sinus problems      | _____                 |
| <input type="checkbox"/> Anorexia                                   | _____                 | <input type="checkbox"/> Abnormal reflexes   | _____                 |
| <input type="checkbox"/> Headache                                   | _____                 | <input type="checkbox"/> Disorientation      | _____                 |
| <input type="checkbox"/> Stiff neck                                 | _____                 | <input type="checkbox"/> Lethargy/fatigue    | _____                 |
| <input type="checkbox"/> Other general symptom/sign, specify: _____ |                       |  |                       |

**Visual**

- |   |                       |
|---|-----------------------|
| <input type="checkbox"/> Blurred vision                       | Duration (days) _____ |
| <input type="checkbox"/> Diplopia                             | _____                 |
| <input type="checkbox"/> Photophobia                          | _____                 |
| <input type="checkbox"/> Other visual changes, specify: _____ |                       |

**Neurologic:**

- |  |                       |   |                       |   |                       |
|--|-----------------------|---|-----------------------|---|-----------------------|
| <input type="checkbox"/> Altered mental status                                       | Duration (days) _____ | <input type="checkbox"/> Dysphagia  | Duration (days) _____ | <input type="checkbox"/> Weakness               | Duration (days) _____ |
| <input type="checkbox"/> Aphasia   | _____                 | <input type="checkbox"/> Facial numbness  | _____                 | <input type="checkbox"/> Hemiparesis            | _____                 |
| <input type="checkbox"/> Ataxia  | _____                 | <input type="checkbox"/> Hallucinations   | _____                 | <input type="checkbox"/> Altered sense of taste | _____                 |
| <input type="checkbox"/> Behavioral changes  | _____                 | <input type="checkbox"/> Combativeness  | _____                 | <input type="checkbox"/> Altered sense of smell | _____                 |
| <input type="checkbox"/> Coma  | _____                 | <input type="checkbox"/> Hyperreflexia  | _____                 | <input type="checkbox"/> Decerebrate posturing  | _____                 |
| <input type="checkbox"/> Confusion   | _____                 | <input type="checkbox"/> Loss of balance  | _____                 | <input type="checkbox"/> Decorticate posturing  | _____                 |
| <input type="checkbox"/> Cranial nerve VI deficit                                    | _____                 | <input type="checkbox"/> Numbness   | _____                 | <input type="checkbox"/> Fixed, reactive pupils | _____                 |
| <input type="checkbox"/> Cranial nerve VII deficit                                   | _____                 | <input type="checkbox"/> Seizures   | _____                 | <input type="checkbox"/> Dilated pupils         | _____                 |
| <input type="checkbox"/> Cranial nerve XII deficit                                   | _____                 | <input type="checkbox"/> Upgoing toes   | _____                 | <input type="checkbox"/> Nystagmus              | _____                 |
| <input type="checkbox"/> Other cranial nerve deficit, specify: _____ Duration: _____ |                       | <input type="checkbox"/> Other neurologic deficit, specify: _____ Duration: _____ |                       |   |                       |

**Skin Lesions:**  Yes  No  Unknown *If yes, please specify in table below.*

Lesion type	Anatomic location	Size	Number	Duration (days)
Ulcers				
Plaques				
Erythematous nodules				
Other				

**Other Symptoms/Signs:**

Other, specify: \_\_\_\_\_

**Signs/Symptoms developed while in hospital:**

**General:**

- Fever
- Nausea
- Vomiting
- Diarrhea
- Weight loss
- Anorexia
- Headache
- Stiff neck
- Other general symptom/sign, specify: \_\_\_\_\_
- Myalgia
- Back Pain
- Cough
- Shortness of breath
- Sinus problems
- Abnormal Reflexes
- Disorientation
- Lethargy/fatigue

**Visual :**

- Blurred vision
- Diplopia
- Photophobia
- Other visual changes, specify: \_\_\_\_\_

**Neurologic:**

<input type="checkbox"/> Altered mental status	<input type="checkbox"/> Dysphagia	<input type="checkbox"/> Altered sense of taste
<input type="checkbox"/> Aphasia	<input type="checkbox"/> Facial numbness	<input type="checkbox"/> Altered sense of smell
<input type="checkbox"/> Ataxia	<input type="checkbox"/> Hallucinations	<input type="checkbox"/> Decerebrate posturing
<input type="checkbox"/> Behavioral changes	<input type="checkbox"/> Hemiparesis	<input type="checkbox"/> Decorticate posturing
<input type="checkbox"/> Coma	<input type="checkbox"/> Hyperreflexia	<input type="checkbox"/> Fixed, reactive pupils
<input type="checkbox"/> Combativeness	<input type="checkbox"/> Loss of balance	<input type="checkbox"/> Dilated pupils
<input type="checkbox"/> Confusion	<input type="checkbox"/> Numbness	<input type="checkbox"/> Nystagmus
<input type="checkbox"/> Cranial nerve VI deficit	<input type="checkbox"/> Seizures	
<input type="checkbox"/> Cranial nerve VII deficit	<input type="checkbox"/> Upgoing toes	
<input type="checkbox"/> Cranial nerve XII deficit	<input type="checkbox"/> Weakness	
<input type="checkbox"/> Other Cranial nerve deficit, specify: _____	<input type="checkbox"/> Other neurologic deficit, specify: _____	

**Skin Lesions:**  Yes  No *If yes, please specify in table below:*

Lesion type	Anatomic location	Size	Number
Ulcers			
Plaques			
Erythematous nodules			
Other			

**Other Symptoms/Signs:**

Other, specify: \_\_\_\_\_

**Diagnostic Tests:** Note please provide dates when possible. If date not available, provide hospital day (i.e. CSF tap on Hosp. Day 2)

### LABORATORY TESTING

CSF	Date _____	Date _____	Date _____
	<b>Results</b>	<b>Results</b>	<b>Results</b>
Opening pressure (mmH2O)			
WBC count (per mm <sup>3</sup> )			
RBC count (per mm <sup>3</sup> )			
Neutrophil %			
Monocyte %			
Lymphocyte %			
Bands %			
Eosinophil %			
Protein (mg/100ml)			
Glucose (mg/100ml)			
CSF Culture: *			
CSF PCR: *			
CSF latex agglutination: *			
CSF mount: <i>Please indicate preparation type and findings, if any</i>	<input type="checkbox"/> Centrifuged <input type="checkbox"/> Stained <input type="checkbox"/> Wet Amebae present? Y <input type="checkbox"/> N <input type="checkbox"/>	<input type="checkbox"/> Centrifuged <input type="checkbox"/> Stained <input type="checkbox"/> Wet Amebae present? Y <input type="checkbox"/> N <input type="checkbox"/>	<input type="checkbox"/> Centrifuged <input type="checkbox"/> Stained <input type="checkbox"/> Wet Amebae present? Y <input type="checkbox"/> N <input type="checkbox"/>

\* Please provide results for all bacteria, viral and/or parasitic testing.

**Presenting Lab Values:**      **Date:** \_\_\_\_\_

	<b>Results</b>
RBC count (per mm <sup>3</sup> )	
Hematocrit %	
WBC count (per mm <sup>3</sup> )	
Neutrophil %	
Lymphocyte %	
Monocyte %	
Eosinophil %	
Bands %	
CD4 count (per mm <sup>3</sup> )	
Protein (mg/100ml)	
Sodium (mEq/L)	
Potassium (mEq/L)	
Chloride (mEq/L)	
Bicarbonate (mEq/L)	
BUN (mg/100ml)	
Creatinine (mg/100ml)	
Glucose (mg/100ml)	

**Serology:**

<b>Date</b>	<b>Result</b>

**Cultures for Free Living Amebae:**

Source	Date	<b>Result</b>	
<input type="checkbox"/> Blood		<input type="checkbox"/> Negative	<input type="checkbox"/> + Balamuthia
		<input type="checkbox"/> + Naegleria	<input type="checkbox"/> + Acanthamoeba
<input type="checkbox"/> Skin		<input type="checkbox"/> Negative	<input type="checkbox"/> + Balamuthia
		<input type="checkbox"/> + Naegleria	<input type="checkbox"/> + Acanthamoeba
<input type="checkbox"/> Brain		<input type="checkbox"/> Negative	<input type="checkbox"/> + Balamuthia
		<input type="checkbox"/> + Naegleria	<input type="checkbox"/> + Acanthamoeba
<input type="checkbox"/> Abscess		<input type="checkbox"/> Negative	<input type="checkbox"/> + Balamuthia
		<input type="checkbox"/> + Naegleria	<input type="checkbox"/> + Acanthamoeba
<input type="checkbox"/> Other, specify: _____		<input type="checkbox"/> Negative	<input type="checkbox"/> + Balamuthia
		<input type="checkbox"/> + Naegleria	<input type="checkbox"/> + Acanthamoeba

**PCR for Free Living Amebae:**

Source	Date	<b>Result</b>	
<input type="checkbox"/> Blood		<input type="checkbox"/> Negative	<input type="checkbox"/> + Balamuthia
		<input type="checkbox"/> + Naegleria	<input type="checkbox"/> + Acanthamoeba
<input type="checkbox"/> Skin		<input type="checkbox"/> Negative	<input type="checkbox"/> + Balamuthia
		<input type="checkbox"/> + Naegleria	<input type="checkbox"/> + Acanthamoeba
<input type="checkbox"/> Brain		<input type="checkbox"/> Negative	<input type="checkbox"/> + Balamuthia
		<input type="checkbox"/> + Naegleria	<input type="checkbox"/> + Acanthamoeba
<input type="checkbox"/> Abscess		<input type="checkbox"/> Negative	<input type="checkbox"/> + Balamuthia
		<input type="checkbox"/> + Naegleria	<input type="checkbox"/> + Acanthamoeba
<input type="checkbox"/> Other, specify: _____		<input type="checkbox"/> Negative	<input type="checkbox"/> + Balamuthia
		<input type="checkbox"/> + Naegleria	<input type="checkbox"/> + Acanthamoeba

### HISTOPATHOLOGY

**Brain biopsy:**       Yes    No    Unknown

	Date:	Date:
Location		
Timing	<input type="checkbox"/> Antemortem <input type="checkbox"/> Postmortem <input type="checkbox"/> Unknown	<input type="checkbox"/> Antemortem <input type="checkbox"/> Postmortem <input type="checkbox"/> Unknown
Results (check all that apply)	<input type="checkbox"/> Amebic trophozoites	<input type="checkbox"/> Amebic trophozoites
	<input type="checkbox"/> Amebic cysts	<input type="checkbox"/> Amebic cysts
	<input type="checkbox"/> Ameba, not specified	<input type="checkbox"/> Ameba, not specified
	<input type="checkbox"/> Hemorrhage	<input type="checkbox"/> Necrosis
	<input type="checkbox"/> Encephalomalacia	<input type="checkbox"/> Edema
	<input type="checkbox"/> Abscess	<input type="checkbox"/> Vasculitis
	<input type="checkbox"/> Perivascular Inflammation	<input type="checkbox"/> Perivascular Inflammation
	<input type="checkbox"/> Thrombosis	<input type="checkbox"/> Thrombosis
	<input type="checkbox"/> Neovascularization	<input type="checkbox"/> Neovascularization
	<input type="checkbox"/> Neutrophilic inflammation / infiltrate	<input type="checkbox"/> Neutrophilic inflammation / infiltrate
	<input type="checkbox"/> Lymphocytic inflammation / infiltrate	<input type="checkbox"/> Lymphocytic inflammation / infiltrate
	<input type="checkbox"/> Granulomatous inflammation	<input type="checkbox"/> Granulomatous inflammation
	<input type="checkbox"/> Granuloma	<input type="checkbox"/> Granuloma
	<input type="checkbox"/> Meningitis	<input type="checkbox"/> Encephalitis
<input type="checkbox"/> Meningoencephalitis	<input type="checkbox"/> Meningoencephalitis	
Other Results/ Comments		

**Skin biopsy:**       Yes    No    Unknown

	Date:	Date:
Location		
Timing	<input type="checkbox"/> Antemortem <input type="checkbox"/> Postmortem <input type="checkbox"/> Unknown	<input type="checkbox"/> Antemortem <input type="checkbox"/> Postmortem <input type="checkbox"/> Unknown
Results	<input type="checkbox"/> No amebae seen	<input type="checkbox"/> No amebae seen
	<input type="checkbox"/> Amebic trophozoites	<input type="checkbox"/> Amebic trophozoites
	<input type="checkbox"/> Amebic cysts	<input type="checkbox"/> Amebic cysts
	<input type="checkbox"/> Amebae, not specified	<input type="checkbox"/> Amebae, not specified
Other Results/ Comments		

**Sinus biopsy:**       Yes    No    Unknown

	Date:	Date:
Location		
Timing	<input type="checkbox"/> Antemortem <input type="checkbox"/> Postmortem <input type="checkbox"/> Unknown	<input type="checkbox"/> Antemortem <input type="checkbox"/> Postmortem <input type="checkbox"/> Unknown
Results	<input type="checkbox"/> No amebae seen	<input type="checkbox"/> No amebae seen
	<input type="checkbox"/> Amebic trophozoites	<input type="checkbox"/> Amebic trophozoites
	<input type="checkbox"/> Amebic cysts	<input type="checkbox"/> Amebic cysts
	<input type="checkbox"/> Amebae, not specified	<input type="checkbox"/> Amebae, not specified
Other Results/ Comments		

**Other biopsy results:**

**DIAGNOSTIC IMAGING**

**CT: Date of First CT:** \_\_\_\_\_

**Lesion location: (please check all that apply)**

- |   |  |  |
|---|--|--|
| <input type="checkbox"/> Basal Ganglia    | <input type="checkbox"/> Left Occipital  | <input type="checkbox"/> Left Temporal         |
| <input type="checkbox"/> Brainstem        | <input type="checkbox"/> Right Occipital | <input type="checkbox"/> Right Temporal        |
| <input type="checkbox"/> Right Cerebellum | <input type="checkbox"/> Left Parietal   | <input type="checkbox"/> Thalamus              |
| <input type="checkbox"/> Left Cerebellum  | <input type="checkbox"/> Right Parietal  | <input type="checkbox"/> Other, specify: _____ |
| <input type="checkbox"/> Left Frontal     | <input type="checkbox"/> Pons            |  |
| <input type="checkbox"/> Right Frontal    | <input type="checkbox"/> Spinal Cord     |  |

**Lesion: (please check all that apply)**

- |                                     |   |  |
|-------------------------------------|---|--|
| <input type="checkbox"/> Abscess    | <input type="checkbox"/> Hyperdense         | <input type="checkbox"/> Enhancing             |
| <input type="checkbox"/> Edema      | <input type="checkbox"/> Hypodense          | <input type="checkbox"/> Ring enhancing        |
| <input type="checkbox"/> Erosion    | <input type="checkbox"/> Infarcts           | <input type="checkbox"/> Sinusitis             |
| <input type="checkbox"/> Hemorrhage | <input type="checkbox"/> Mass               | <input type="checkbox"/> Ventriculomegaly      |
| <input type="checkbox"/> Herniation | <input type="checkbox"/> Multifocal lesions | <input type="checkbox"/> Other, specify: _____ |

Additional Description, if needed: \_\_\_\_\_

Please list dates of subsequent CT scans and changes noted:

Date	Findings

**MRI: Date of First MRI:** \_\_\_\_\_

**Lesion location: (please check all that apply)**

- |   |  |  |
|---|--|--|
| <input type="checkbox"/> Basal Ganglia    | <input type="checkbox"/> Left Occipital  | <input type="checkbox"/> Left Temporal         |
| <input type="checkbox"/> Brainstem        | <input type="checkbox"/> Right Occipital | <input type="checkbox"/> Right Temporal        |
| <input type="checkbox"/> Right Cerebellum | <input type="checkbox"/> Left Parietal   | <input type="checkbox"/> Thalamus              |
| <input type="checkbox"/> Left Cerebellum  | <input type="checkbox"/> Right Parietal  | <input type="checkbox"/> Other, specify: _____ |
| <input type="checkbox"/> Left Frontal     | <input type="checkbox"/> Pons            |  |
| <input type="checkbox"/> Right Frontal    | <input type="checkbox"/> Spinal Cord     |  |

**Lesion: (please check all that apply)**

- |                                     |   |  |
|-------------------------------------|---|--|
| <input type="checkbox"/> Abscess    | <input type="checkbox"/> Hyperdense         | <input type="checkbox"/> Enhancing             |
| <input type="checkbox"/> Edema      | <input type="checkbox"/> Hypodense          | <input type="checkbox"/> Ring enhancing        |
| <input type="checkbox"/> Erosion    | <input type="checkbox"/> Infarcts           | <input type="checkbox"/> Sinusitis             |
| <input type="checkbox"/> Hemorrhage | <input type="checkbox"/> Mass               | <input type="checkbox"/> Ventriculomegaly      |
| <input type="checkbox"/> Herniation | <input type="checkbox"/> Multifocal lesions | <input type="checkbox"/> Other, specify: _____ |

Additional Description, if needed: \_\_\_\_\_

Please list dates of subsequent MRI scans and changes noted:

Date	Findings





**Other therapies:** (please check all that apply)

	Start date:	Stop date:
<input type="checkbox"/> IV fluids		
<input type="checkbox"/> Total Parenteral Nutrition (TPN)		
<input type="checkbox"/> Dialysis for renal failure		
<input type="checkbox"/> Other, specify _____		
<input type="checkbox"/> Other, specify _____		
<input type="checkbox"/> Other, specify _____		

**Outcome:**

Survived?  Yes  No  Unknown

If survived: Residual neurologic deficits?  Yes  No  Unknown

If Yes, Please describe neurologic deficits: \_\_\_\_\_

Date of discharge: \_\_\_\_\_ OR Date of death: \_\_\_\_\_

If died: Cause of death:

- Brain death                       Removed life support  
 Cardiorespiratory failure       Other, specify: \_\_\_\_\_  
 Herniation

If died: Organs transplanted?  Yes  No

If yes, which ones: \_\_\_\_\_

Please provide a brief description of the patient's clinical course, complications, and any additional comments:

**CDC USE ONLY:**

1 <sup>st</sup> DASH #	
2 <sup>nd</sup> DASH #	
3 <sup>rd</sup> DASH #	
4 <sup>th</sup> DASH #	
5 <sup>th</sup> DASH #	
List additional DASH #s:	

Case report citation 1	
Case report citation 2	
List additional case citations	

**Calculated durations:**

Incubation period (days): \_\_\_\_\_  
 Illness Onset to Admission (days): \_\_\_\_\_  
 Illness Onset to Death (days): \_\_\_\_\_  
 Exposure to Death (days): \_\_\_\_\_  
 Clinical Stage at presentation: \_\_\_\_\_