

Name \_\_\_\_\_ Date \_\_\_\_\_

# NEWS WA

## Two Injured In Motorcycle, Car Accident

Late Friday night, a motorcycle, which witnesses say was speeding south on Union Street, collided with an automobile heading east on 6th Avenue. According to those same witnesses, the car driven by George Smith, 47, of Watertown, ran a stop sign at Union and 6th.

Motorcycle passengers Brad Jones and Melanie Anderson, both 21, of Watertown, were transported to a local hospital with life-threatening injuries. Neither Jones nor Anderson was wearing a helmet, and both were thrown from the motorcycle, according to emergency personnel who were at the scene.

Smith declined medical treatment and was later charged with driving under the influence.

Name \_\_\_\_\_ Date \_\_\_\_\_

**PATIENT MEDICAL RECORD**

**Patient Name:** Jones, Bradley

Date of Admission: 6/16/08

**Address:** 1214 Sunset Blvd.

**City/State/ZIP:** Watertown, MA 99603

**DOB:** 10/14/87

**Sex:** Male

**Room:** ICU-7

**Doctor:** Fred Michaels

**S:** 21 y.o. male is post MVA of 2 days. Multiple lacerations of R. ear, forearm, abdomen, knee and cranial contusion from closed head injury on impact. Past history unremarkable, no known allergies.

**O:** BP: 126/84

Pulse: 66

Resp: 19

Lungs: Clear on left. Some crackling on R lower lung, and expiratory wheezing noted.

Cardiovascular: Normal rhythm

Abdomen: Soft

Extremities: Full range of motion of upper extremities, but demonstrates sluggish response in both legs, with deficits noted in leg strength and coordination. No subluxation or dislocations observed.

**A:** CT indicates swelling of cerebellum is affecting motor cortex and basal ganglia, equilibrating coordination. Deep tendon reflexes normal. Babinski normal.

**P:** Will refer to neuro to complete assessment of poor motor cortex function and will refer to PT to assess and begin ambulation. RT to assess crackle in RLL and begin respiratory care. Social Services to assess for PTSD.

X-Ray: Chest, CT scan of head

Lab: CBC, ABGs

Ventolin .025

O<sub>2</sub> @ 2 l/m, followed by ABG

Fred Michaels, MD  
Attending Physician  
6/18/08  
1500

Name \_\_\_\_\_ Date \_\_\_\_\_



## Diagnostic Services

### Project 1.3 Topic: Babinski Test

#### Materials Needed

- Student Information Sheet
- Patient Medical Record
- Pen cap, pencil eraser or other blunt instrument of a similar size

#### Introduction

The patient's medical record shows he may have suffered brain trauma as a consequence of hitting his head during the accident. An injury to the brain can be difficult to diagnose because it is located inside the cranium and is not directly visible. In this exercise, you will learn to perform a test to check for brain injury. This test could be performed by a nurse, physician's assistant or a medical doctor. Notice that the medical record is organized into the SOAP format.

#### Procedure

*Step 1:* Look at the Patient Medical Record (SOAP notes) to find references that would lead you to believe the subject may have suffered brain trauma.

*Step 2:* Work with a partner to perform a Babinski test to check for possible spinal cord damage. To perform the test, stand at the foot of your partner, "the patient," who is lying supine (on his or her back) and barefoot. Use a blunt instrument, like a pen cap. Run the instrument up the bottom of the foot, making an arc from the outside edge of the heel to the ball of the great toe. The test is positive, indicating brain trauma, if the great toe extends toward the head and the other toes "splay" or spread apart. In a normal, or negative response, the great toe will flex and curl downward.

Record the presence or absence of the reflex for your "patient" to enter in the appropriate section of the SOAP notes. Name the section.

Switch roles and repeat the procedure.



Page 16,  
Student Projects Book

## PROJECT 1.3

**Project Topic:** Babinski Test

**Subject Areas:** Health, Science

### TEACHER NOTES

Point out that the medical record is organized into a SOAP format. (Students will study this format in more detail in Scenario 3, Project 3.4, on page 46. We suggest that you use the example from that project to let students know that the observed results will be recorded in the Assessment section of the SOAP notes.) Bradley Jones' medical chart indicates possible brain trauma. Note the reference to cerebral contusion (bruised brain), sluggish leg response and deficits in leg strength and coordination. Note also the CT scan showing cerebral swelling.

Discuss the professional requirements for making direct patient contact. Communicate expectations for treating personal space with respect and care. Ask students to get with partners, remove their shoes and socks and move to a space that will accommodate one person to lie down while the other performs the test.

### Materials Needed

- Student Information Sheet
- Patient Medical Record
- Pen cap, pencil eraser or other blunt instrument of a similar size

### Focus Objectives

- Know the availability and effective use of health services, products and information.
- Understand the nature of scientific knowledge.



### Health Science Career Cluster Knowledge and Skills

**Communications:** Use oral and written communication skills in creating, expressing and interpreting information and ideas including technical terminology and information.

**Ethics and Legal Responsibilities:** Understand accepted ethical practices with respect to cultural, social and ethnic differences within the health care environment.

**Technical Skills:** Demonstrate skills and knowledge as appropriate to conduct health care related tasks.

### National Healthcare Foundation Standards

**Communications:** Communicate effectively, both orally and in writing.

**Ethics:** Understand accepted ethical practices with respect to cultural, social and ethnic differences within the healthcare environment.

**Technical Skills:** Demonstrate skills and knowledge as appropriate.