

## Division of Nuclear Medicine Procedure / Protocol

BACLOFEN INFUSION PUMP  
UPDATED: Dec 2011

CPT CODE:

**Indications:** To evaluate for patency or possible leakage of a Baclofen Infusion Pump.

**Patient Prep:** None

**Scheduling:** Nuclear Medicine Abdomen Pump In-Take form to be approved prior to scheduling.

**SCHEDULE: Baclofen Pump (Panel 24011)**

Document name and pager/phone number of Neurosurgery Clinician to assist with procedure.  
Neurosurgery Clinician to bring all necessary supplies for accessing pump.

**NOTE:** In-111 DTPA is a special order drug requiring a 24 hour notice to the Radiopharmacy.

**Radiopharmaceutical**

**& Dose:** 0.5 mCi In-111 DTPA. Do not adjust for weight.

**Imaging Device:** Dual Headed LFOV (large field-of-view) gamma camera with CT & MEAP collimators.

**Imaging Procedure:** DAY 1:

1. Pump is accessed and emptied by a qualified Neurosurgery Clinician.
2. Inject In-111 DTPA in an adequate pump medium (provided by Neurosurgery Clinician) so the total volume is 4-5 ml.
3. Scheduled length of procedure is 75 minutes.

DAY 2:

1. Patient returns approximately 36-48 hours after injection of In-111 DTPA.
2. Neurosurgery Clinician will empty pump and rinse pump with 10 ml of normal saline. This rinse should be done twice. Disposal of rinsed solution should be in medium energy isotope container in the radiopharmacy.
3. Neurosurgery Clinician fills the pump with the required medium and imaging immediately follows.
4. Scheduled length of procedure is 90 minutes.

Imaging should include an anterior, posterior, right lateral, and left lateral. All statics are acquired for 10 minutes in a 256 x 256 matrix peaked for In-111.

Additional images may be required. A SPECT with CT may be requested.  
Please consult with the Nuclear Medicine staff physician.

Reviewed By: S. Perlman, D. Fuerbringer, S. Knishka

Scott B. Perlman, MD, MS  
Chief, Nuclear Medicine

Derek Fuerbringer, CNMT  
Manager, Nuclear Medicine

Scott Knishka, BCNP  
Nuclear Pharmacist