Beverly Public Schools
Medication Protocols for Beverly School Nurses
2014-2015 School Year

Under the direction of
Dr. Sheryl Silva, Pediatrician
Beverly Public Schools Physician

Acetaminophen (Tylenol) Protocol
Aloe Vera Gel Protocol
Anaphylaxis Protocol (Epinephrine Protocol)
Bacitracin Ointment Protocol
Benadryl Protocol
Calamine Lotion Protocol
1% Hydrocortisone Ointment
Ibuprofen (Advil or Motrin) Protocol (Grades 6 - 12 only)
Pramoxine HCL 1% (Sting Relief Pads) Protocol
Stock Albuterol (Nebulized)
Tums Protocol (Grades 6-12 only)

Approved 5-13-2010
Reviewed 8-31-2011; 6-25-2012
Beverly Public Schools
Health Services

Acetaminophen (Tylenol) Protocol
2014-2015 School Year

INDICATION:
For All Grades: Analgesic agent for simple headaches, menstrual cramps, general malaise due to cold/flu, or as an antipyretic.

DIRECTIONS/DOSAGE:
10-15 mg/kilogram dose:

<table>
<thead>
<tr>
<th>Acetaminophen Elixir: 160mg/teaspoon</th>
<th>Weight in pounds</th>
<th>Age in years</th>
<th>teaspoons</th>
</tr>
</thead>
<tbody>
<tr>
<td>35-47</td>
<td>4-5</td>
<td>1 1/2</td>
<td></td>
</tr>
<tr>
<td>48-59</td>
<td>6-8</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>60-71</td>
<td>9-10</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

every 4 hours, but not more than 5 times daily.

<table>
<thead>
<tr>
<th>Acetaminophen Chewable: 80mg tablet</th>
<th>Weight in Pounds</th>
<th>Age in years</th>
<th>tablets</th>
</tr>
</thead>
<tbody>
<tr>
<td>35-47</td>
<td>4-5</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>48-59</td>
<td>6-8</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>60-71</td>
<td>9-10</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>72-95</td>
<td>11</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

every four hours, but not more than 5 times daily.

Acetaminophen Tablets: 325mg/tab; Children 5-12 years old ¼ to 1 tablet 3-4 times daily; adults and children 12 years old and older: 1-2 tabs 3-4 times daily.

Children between the ages of 5-11 years old may receive 15mg/kg/dose. Children 12 years and older may receive 1 – 2 325 mg/tablet every 4 hours. (School nurse will contact parent/guardian for possible dismissal before administering a second dose during the school day.)

CAUTIONS: In case of overdose, contact healthcare provider or poison control center immediately POISON CONTROL # 617-232-2120 (potential for hepatic toxicity). If sensitivity occurs, discontinue drug.

CONTRAINDICATIONS:
* Allergy or hypersensitivity to Acetaminophen.
* Not to be given with other acetaminophen or aspirin containing products.
* Not to be given concomitantly with other non steroid anti-inflammatories, e.g. Ibuprofen.

NURSING ACTION:
1. If student is under the age of 18 years, make sure that there is signed parental permission.
2. Evaluate pain and pain source.
3. Measure temperature if appropriate for temperature > 100 F orally, administer appropriate dose.
4. Notify parent/guardian (written or verbally) of dose, time, and circumstance surrounding administration of Acetaminophen during school day for grades 5 and under and as appropriate grades 6-12.
5. Refer to primary care provider if requesting medication more than twice weekly.

In all locations, School Nurses may administer acetaminophen 325-650 mg orally every 4 hours PRN to staff.

Sherry R. Silva, M.D.
School Physician
Beverly Public Schools

Revised: 6/30/2014
Beverly Public Schools
Health Services

Aloe Vera Gel Protocol
2014-15 School Year

INDICATION: At all grade levels, School Nurses may apply 99% Aloe Vera Gel topically to skin for mild itching, mild pain, and discomfort.

DIRECTIONS: Wash and completely dry affected area before applying gel. Apply to affected area of skin. For External Use Only.

SIDE EFFECTS: Very unlikely, but report promptly any rash or irritation and cleanse area thoroughly.

PRECAUTIONS: Avoid getting this medicine in the eyes or on the inside of the nose or mouth.

CONTRAINDICATIONS: Do not use if symptoms worsen.

NURSING ASSESSMENT FACTORS: Prior to the administration of the medication, assessment of the student must include evaluation of skin color, swelling, drainage, redness, heat, and pain (location, severity, and duration), location of rash and skin integrity.

Sheryl R. Silva, M.D.
School Physician
Beverly Public Schools

Revised: 6-30-2104
Anaphylaxis Protocol (Epinephrine Protocol)
2014-2015 School Year

DEFINITION: A rare generalized allergic reaction that may be triggered by an insect bite, a drug allergy or a food allergy. Anaphylaxis is one of the most serious, life threatening emergency situations to which school personnel may have to respond.

PHYSICAL FINDINGS: (may include any or all of the following):

SKIN: Cold to touch, clammy and moist, itching, hives, swelling of lips.
COLOR: Pale at first, then mottled or bluish.
RESPIRATION: Wheezy, change in voice quality, feeling of fullness in throat.
PULSE: Rapid and weak.
BLOOD PRESSURE: Low, progressively lower or unattainable.
OTHER: Restlessness, severe headache, nausea, vomiting, diarrhea, loss of consciousness, swelling of eyelids.

MANAGEMENT:
1. Administer Benadryl per protocol if appropriate.
2. Administer Epinephrine 0.3 mg. Auto-Injector into the anterolateral region of the thigh or deltoid region of the arm. Repeat every 5-15 minutes as needed for poor response or increased symptoms until emergency services arrive. 
   **Children weighing less than 50 pounds should receive Epinephrine 0.15 mg (epi-pen junior) via Auto-Injector.**
   Each nurse should have immediate access to an Emergency Kit.
3. Call for help, CALL 911. If possible, have a copy of student’s Emergency Card available for EMS. Transport used epi pen with student. Notify Emergency Personnel of medication given, dosage, and time of administration.
5. Reasses Level of Consciousness and Respiratory Status. Elevate legs if necessary. Accompany child if necessary.
7. Complete School Health Unit (DPH) Report of 911 Form and forward to Nurse Leader.

Sheryl R. Silva, M.D.
School Physician
Beverly Public Schools

Revised: 8-30-2014
Beverly Public Schools
Health Services

Bacitracin Ointment Protocol
2014-2015 School Year

INDICATION:
For all grades: First aid ointment to help prevent infection in minor lacerations, abrasions, and burns.

DIRECTIONS/DOSAGE:
Clean the wound. Apply a small amount of the ointment to the area of the wound 1 to 3 times daily. May be covered with a sterile dressing.

CAUTIONS:
FOR EXTERNAL USE ONLY. DO NOT USE IN THE EYES or apply over large areas of the body. Do not use product if allergy exists to any listed ingredients. In case of deep or puncture wounds, animal bites, or serious burns, consult a licensed provider. Stop use and consult provider if the condition persists or becomes inflamed. Do not use longer than 1 week unless directed by a licensed provider.

NURSING ACTION:
1. Prior to administration of the medication, assessment of the student must include evaluation of skin color, swelling, drainage, redness, heat, and pain (location, severity and duration), location of rash and skin integrity.
2. Notify parent/guardian as appropriate.
4. Verify tetanus status if warranted.
5. Refer to health care provider as needed.
6. Follow-up as needed.

Sheryl R. Sisk, M.D.
School Physician
Beverly Public Schools

Revised: 6/30/2014
Beverly Public Schools
Health Services

Benadryl Protocol
(diphenhydramine hydrochloride)
2014-15 School Year

INDICATION:
For all grades, this signed document authorizes all school nurses in the Beverly Public Schools to administer Benadryl (diphenhydramine) to students with minor, non-life threatening signs of an allergic reaction, i.e. hives, localized itching and/or rash. More serious reactions such as respiratory distress or vomiting require treatment of Epinephrine. Situations requiring this medication include, but are not limited to, mild to moderate reactions to an insect sting, drug allergy or food allergy.

DIRECTIONS/DOSAGE:
Benadryl may be administered to any student following the protocol provided and in the dosages outlined below.

Check the student's emergency card to verify absence of Benadryl allergy.
Administer appropriate dose (see below) and document time, date, and dosage. Observe the student for signs of severe allergic reaction or anaphylaxis and monitor for worsening symptoms and treat according to the Emergency Treatment for allergy and anaphylaxis.
Document/review suspected allergy on the student's emergency card.
Parents must be notified regarding administration of Benadryl.
Notify the Nurse Leader when Benadryl has been administered in the school setting.

<33 lbs. 12.5 mg. (1 tsp.) orally q4-6hours
33-43 lbs. 18.75 mg. (1 ¼ tsp.)
44-65 lbs. 25 mg. (1 tab or 2 tsp.)
66-87 lbs. 37.5 mg. (1 ½ tab or 3 tsp.)
>88 lbs. 50 mg. (2 tabs or 4 tsp.)

SIDE EFFECTS:
Dizziness, drowsiness, poor coordination, fatigue, anxiety, confusion, blurred vision, dry nose, throat, and mouth, nausea, diarrhea, chest tightness.

CONTRAINDICATIONS:
Known hypersensitivity to this drug, lower respiratory tract disease.

NURSING ACTION:
Notify parents. Note respiratory status, rate, rhythm, and increase in bronchial secretions, wheezing, and chest tightness, observe skin for alteration in skin integrity, presence of rash or hives. Observe for alleviation of symptoms for which the drug was administered. Documentation of observations and nursing actions. Follow-up.

Signed: ____________________________
Sherryl R. Silva, M.D.
School Physician
Beverly Public Schools

Revised: 6/30/14
Beverly Public Schools
Health Services

Calamine Lotion Protocol
2014-15 School Year

AT ALL GRADES: Apply Calamine Lotion topically to skin for mild itching, pain, and discomfort.

DIRECTIONS: Wash and completely dry affected area before applying lotion. Shake bottle well before use. Apply to affected area of skin.

SIDE EFFECTS: Very unlikely, but report promptly any rash or irritation and cleanse area thoroughly.

PRECAUTIONS: Avoid getting this medicine in the eyes or on the inside of the nose or mouth.

CONTRAINDICATIONS: Do not use if symptoms worsen.

NURSING ASSESSMENT FACTORS: Prior to the administration of the medication, assessment of the student must include evaluation of skin color, swelling, drainage, redness, heat, and pain (location, severity, and duration), location of rash and skin integrity.

Sheryl R. Silva, M.D.
School Physician
Beverly Public Schools

Revised: 6-30-2014
Beverly Public Schools
Health Services

1% Hydrocortisone Ointment

INDICATIONS: At all grades: Apply 1% Hydrocortisone Ointment topically to skin for relief of mild itching, inflammation, and rashes.

DIRECTIONS: Children 4 years of age and older and Adults: Wash and completely dry affected area before applying ointment. Apply to affected area of skin not more than 2 times during the school day. For External Use Only.

SIDE EFFECTS: Very unlikely, but report promptly any rash or irritation and cleanse area thoroughly.

PRECAUTIONS: Avoid getting this medicine near or in the eyes or on the inside of the nose or mouth.

CONTRAINDICATIONS: Do not use if symptoms worsen.

NURSING ASSESSMENT FACTORS: Prior to the administration of the medication, assessment of the student must include evaluation of skin color, swelling, drainage, redness, heat, and pain (location, severity, and duration), location of rash and skin integrity.

Sheryl R. Silva, M.S.
School Physician
Beverly Public Schools

Revised: 8-30-2014
Beverly Public Schools
Health Services

Ibuprofen (Advil or Motrin) Protocol (Grades 6 - 12 only)

INDICATION: For Grades 6-12 only, Analgesic agent for simple headaches, menstrual cramps, general malaise due to cold/flu, or as an antipyretic.

DIRECTIONS/DOSAGE: For Secondary children only
Children 12 years and older may receive 1 – 2
200 mg/tablet every 6 hours.

CAUTIONS: In case of overdose, contact healthcare provider or poison control center immediately. POISON CONTROL # 617-232-2120 (potential for hepatic toxicity). If sensitivity occurs, discontinue drug.

CONTRAINDICATIONS: *Allergy or hypersensitivity to Ibuprofen.
* Not to be given with other NSAIDS
* Not to be given concomitantly with other anti-inflammatories.

NURSING ACTION: 1. If student is under the age of 18 years, make sure that there is signed parental permission.
2. Confirm that student does not have an allergy to ibuprofen or aspirin severe reaction to aspirin (asthma, swelling, shock, hives) may be associated with cross reactions to ibuprofen.
3. Evaluate pain and pain source.
4. Measure temperature if appropriate; if temperature > 100 F, contact parent.
5. Check for last dose and administer appropriate dose.
6. Refer to primary care provider if requesting medication more than twice weekly.

In all locations School Nurses may administer 200-400mg orally every 6 hours PRN for staff members.

Sheila R. Silva, M.D.
School Physician
Beverly Public Schools

Revised: 6-30-14
Beverly Public Schools
Health Services

Pramoxine HCL 1% (Sting Relief Pads) Protocol

INDICATION: FOR ALL GRADES:
Temporary relief of itching associated with insect bites, hives, or rashes.

DIRECTIONS/DOSAGE:
Apply topically, liberally, to affected areas several times daily or PRN or as directed by a physician.

Cautions:
FOR EXTERNAL USE ONLY. AVOID CONTACT WITH EYES. If condition does not improve or recurs within 7 days, discontinue use and consult a physician.

Nursing Action:
Notification of parent/guardian of symptoms when appropriate. Documentation of treatment and follow-up.

Sheryl R. Silva M.D.
School Physician
Beverly Public Schools

Revised 6-30-2104
Beverly Public Schools
Health Services

Stock Albuterol (Nebulized)
2014-2015 School Year

INDICATION: For All Grades: A bronchodilator inhaled to relax bronchial muscles and ease breathing during an episode of wheezing.

DIRECTIONS/DOSAGE: Stock Albuterol is to be administered only to students who have been diagnosed with asthma/reactive airway disease or anaphylaxis, and have a specific order from their healthcare provider. The stock Albuterol is used only in the event that their own Albuterol prescription is empty or unavailable.

Dosage will be determined by physician order.
Average dose: 2 puffs every 4-6 hours as needed.

SIDE EFFECTS: May cause shakiness and trembling, and tachycardia following administration. Monitor student for side effects.

CONTRAINDICATIONS: Allergy or hypersensitivity to the medication or its components.

NURSING ACTIONS: 1. Prior to administration of the medication, an assessment of the student’s respiratory status will be performed and documented.
2. Physician order will be checked to verify dosage.
3. Verify written parental permission.
4. Whenever possible, students using nebulized Albuterol will use their own mouthpieces/tubing provided by parents. Stock equipment will be available as backup.
6. Notify parent/guardian of dose, time, and circumstance surrounding administration.
7. Should medication be ineffective in improving breathing during an episode of wheezing, call for help, call 911.
8. Complete the DPH 911 Form, forward to Nurse Leader.

Shery R. Silva, M.D.
School Physician
Beverly Public Schools

Revised 10-8-2014
Beverly Public School
Health Services

Tums (Calcium Carbonate) Protocol (Grades 6-12 only)

INDICATION: For Grades 6-12 for the relief of acid indigestion, heartburn, sour stomach and upset stomach.

DIRECTIONS/DOSAGE: Chew 2-4 tablets as symptoms occur for students in grades 6 through 12. Active ingredient: Calcium Carbonate 500mg per tablet.

CAUTIONS: DO NOT TAKE MORE THAN 5 TABLETS Per DAY. Antacids may interact with certain prescription drugs. Antacids may have a laxative or constipating effect.

NURSING ACTION: 1. Assess for location, duration, quality, character of discomfort, and how often the discomfort occurs.
2. Is it related to any specific food or event?
3. What makes the distress worse or better?
4. In the event of no relief of symptoms, parents will be notified and medical intervention will be encouraged.

Sheryl R. Silva, M.D.
School Physician
Beverly Public Schools

Revised 6-30-2014