montana pediatrics

Pediatric Clinic Manual



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Contributors

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Val Chelsea John Emily Pepper Sarah **Kristin** Angie Michael Amy Jennifer Austine Paul Claire Lionel Lauren Allison Young MD

Beebe NP Bodnar MD Cole MD Hall MD Henyon MD Holexa MD Melli NP Ostrowski MD Pappas MD **Rickman NP** Shipley NP Siomos MD Smith MD Steinberg NP Tapia MD Wilson MD

Introduction

Welcome to Our Dream!

Since our first day of telemedicine coverage at Fort Peck on July 13, 2020 so much has been accomplished to support our common goal: Improving the health and healthcare access for the children at Fort Peck. We are so grateful for the individual moments when we are able to support your amazing and dedicated staff in service to each individual child. We are also able to see that the time together is leading to more use of the services and trust between everyone involved.

We are honored to be part of seeing children with everything from simple ear pain, severe moments of psychological distress, concerns about return-to-play and even just being part of solving the technology challenges that we are all learning to navigate together.

COVID-19 has certainly made the work much harder, but also, we hope, has been part of demonstrating our dedication and the importance of connecting with Montana providers who can adapt and connect to resources in our state. We are grateful to be part of increasing capacity and healthcare options for HDPD and we have also been so heartened to see the responsiveness of the SBHC nurses, NPs and CNAs and the Montana Pediatrics providers in working together to overcome barriers to improving pediatric health.

Quality pediatric care with involvement of nurse, provider and specialist in a collaborative manner such as what we are able to provide with telemedicine, is rare to find in Montana ANYWHERE and we are so excited to see it being offered at Fort Peck. Without telemedicine care often can result in a several weeks wait to being assessed and scheduled for with a provider, a long drive to Billings and back, a child missing school, a guardian missing work and all of the financial impacts on the family due to transportation and travel needs.

Montana Pediatrics providers worked hard to complete this manual: "The Pediatric Clinic Manual 1st Ed., 2021". This manual provides pediatric medical best practice guidelines and decision trees to support optimal assessment, decision making on care and outcomes for any child in, any setting. The evidenced based information has been revised to meet the needs of rural communities and providers. This work serve as the template for us to add to as quality improvement projects, clinical research, provider inquiry and ongoing changes in medical information evolves. We hope you find it an essential tool for your clinics and staff.

Know that each visit we have been a part of has been an honor, a chance for all of us to learn together, and a step on our journey to a long-term, accountable, connected, respectful and sustainable solution to access to care for the children of the Fort Peck Tribes. We fully realize that we need to continue our work to be trusted, useful and accessible.

Thank you very much!

Chelsea Bodnar MD CEO, Montana Pediatrics

Contents

Symptom Guide	6
Acne	7-8
Attention deficit disorder	9
Asthma	10-11
COVID-19	12-18
Croup	19
Mood & Feelings Assessment	20-21
Depression	22
Diabetes mellitus	23-25
Fever	26
Head injury	27-31
Hypertension	32-33
Influenza	34
Lice	35-36
Mental health	37
Otitis Media	38
Pneumonia	39
Ringworm	40
Suicide Decision Tree	41

Urinary Tract	42
Infection UTI	
Wart	43
References	44-46

Symptom Guide



Acne

Acne is a very common condition of young adults.

Acne occurs when there is an over production of oil with an increase in bacteria, leading to clogged hair follicles. Dead skin and oil block the pores causing lesions of the skin.

<u>MILD ACNE</u>: Non-inflammatory lesions, which consist of open and closed comedones (blackheads and whiteheads, respectively) present; may be accompanied by a few superficial inflammatory lesions, such as papules/pustules.

<u>MODERATE ACNE</u>: Many inflammatory lesions present, largely superficial, but more deep-seated pustules and papules evident. There is a tendency of these lesions to scar mildly with time.

Inflammatory lesions are those that have ruptured. They appear red and sometimes have pus in them. They occur when the follicle contents from a non-inflammatory lesion get into the surrounding tissue. The body reacts by sending blood cells and chemicals to get rid of the invasion. As a result, the area becomes swollen and inflamed.

Inflammatory lesions fall into three categories: papules, pustules, and nodules. Papules are commonly referred to as "pimples." They are small, firm, reddish lesions. They are the least severe of inflammatory lesions. They generally do not contain pus. Pustules are essentially pimples that contain pus, which is a substance produced by the body to fight infection.

<u>SEVERE ACNE</u>: Consists of the above description with nodules and cysts. Marked scarring is evident, which may be kelodial in some cases. May often spread to the chest, back and down the arms.

Nodules are large, inflammatory lesions occurring deep in the skin. They contain a lot of pus and can lead to scarring. The nodules may progress into large cysts, which usually are associated with more inflammation and swelling.

Acne



Attention Deficit Disorder

Behavior problems in children and adolescents is thought to effect approximately 18% of all children, ADHD is thought to present in half, or 8 to 9% of pediatric population.

Any child where there is a concern for excessive impulsivity, hyperactivity, attention deficit, and school failure should be considered for evaluation.

Diagnostic criteria, per DSM-IV, need to be present in at least 2 major life settings, i.e., home, school, work, etc. In most cases, diagnostic questionnaires should be completed by parent(s) and a teacher (NICHQ Vanderbilt Assessment Scales).

Other potential causes of behavior problems must be evaluated.

Behavioral treatment should be considered first and applied, if practical.

When onset in adolescents occurs, drug abuse should be added to the differential diagnosis.

When pharmacological treatment is selected, stimulants are indicated as a first line treatment. These are based upon methylphenidate first, then dextroamphetamine as a second choice. Other agent shown to be effective in some children, include: selective norepinephrine re-uptake inhibitor (atomoxetine) and Alpha agonists (guanfacine and clonidine).

Medications are generally started at lowest possible dose and titrated upward to gain desired effect with minimal side effects.

Close follow up, every one to two weeks, as titration ensues, is essential. Stress to parents that there is no 'magic', that therapy will likely need to be changed and adjusted.

When stable, children are seen at least every three to six months to monitor for efficacy and side effects.

A standardized evaluation and monitoring tool, such as the <u>Vanderbilt ADHD</u> <u>Rating Scale</u>, should be used

Asthma

DIAGNOSIS:

<u>Mild Asthma:</u> No shortness of breath at rest, can talk normally with absent or mild wheezing (Green Zone on Asthma Action Plan with Peak Flow at 80-100% of normal).

<u>Moderate Asthma:</u> Shortness of breath at rest, speaks in phrases, can't lay down flat and wheezing is heard, rib retractions with each breath (Yellow Zone on Asthma Action Plan with Peak Flow at 50-80% of normal).

<u>Severe Asthma</u>: Severe shortness of breath at rest, speaks in single words, loud wheezing and severe rib retractions with each breath (Red Zone on Asthma Action Plan with Peak Flow at <50% of normal).

<u>Peak Flow Meter</u>: measures the peak flow rates and tells how much air is moving out of the lungs. Used in children 6 years and older to determine the severity of an asthma attack.

TREATMENT:

Look at the child's Asthma Action Plan and treat as indicated based on the symptoms with an albuterol inhaler/nebulizer or may require immediately taking the child to the ED depending on severity or if the child is needing albuterol more than every 4 hours. May require inhaled or oral steroids or admission to the hospital if a child is not responding to home treatments with worsening respiratory distress.

Asthma

Presentation of ANY of the following:

Wheezing, Shortness of breath, Cough, or Chest tightness







Reviewed 2/24/21



options-to-reduce-guarantine.html

Reviewed 2/24/21



I've been exposed to someone with COVID-19. How long do I quarantine? I am NOT vaccinated.



Updated 9/14/21

I've been exposed to someone with COVID-19. Do I need to quarantine? I AM vaccinated.



Updated 9/14/21

Guidance for COVID-19+ Close Contacts in School



*Or vaccination status cannot be confirmed

Or if you have had COVID-19 illness within previous 3mo AND have recovered AND remain without any COVID-19 symptoms *Continue wearing mask indoors in public for 14 days following last exposure



https://www.cdc.gov/coronavirus/2019-ncov/vaccines/fully-vaccinated.html https://www.cdc.gov/coronavirus/2019-ncov/php/contact-tracing/contact-tracing-plan/appendix.html https://www.cdc.gov/coronavirus/2019-ncov/if-you-are-sick/quarantine.html

LAST UPDATED August 2021

Croup

Croup is a respiratory condition caused by a viral infection. The virus causes swelling of the voice box (larynx) and windpipe (trachea) that makes the airway narrower and hard to breath. Children with croup often develop a harsh, barking cough that makes a noisy, high-pitched sound when they breathe (stridor).

It most often affects children between the ages of 6 months to 5 years old, but can affect older children. Croup can get worse very quickly and if your child has difficulty breathing, seek urgent medical attention.

SYMPTOMS:

Croup often starts without warning, often in the middle of the night. Symptoms are worse at night and often on the 2nd or 3rd night of the illness.

- Starts as a normal viral cold (cough, fever, and runny nose)
- The cough will change sounding more harsh and barking like a seal
- Hoarse voice
- Stridor (when the child breaths in, they make a high pitched, squeaky nose)
- Respiratory distress

TREATMENT:

Use a cool mist humidifier in the child's room and if the breathing gets worse take the child into the bathroom and turn on the shower to increase the humidity and open the window to let cool air into the room. Your doctor may have prescribed an oral steroid medication to take by mouth prior to the child going to sleep. If this does not improve the child's stridor and breathing, then take them to the emergency department where they can do breathing treatments (racemic epinephrine nebulizer) or a steroid given as a shot into the muscle (IM Dexamethasone).

PREVENTION:

- The virus is easily spread from person to person by coughing and sneezing
- If your child has croup, keep them home from school and daycare
- Regular hand washing can help prevent the spread of viruses

How are you feeling today?

This form is about how you might have been feeling or acting recently. For each question, please check how much you have felt or acted this way in the past two weeks.

Any answer is okay and we can talk about it together.

	NOT TRUE	SOMETIMES	TRUE
1. I felt miserable or unhappy			
2. I didn't enjoy anything at all			
3. I felt so tired I just sat around and did nothing			
4. I was very restless			
5. I felt I was no good any more			
6. I cried a lot			
7. I found it hard to think properly or concentrate			
8. I hated myself			
9. I was a bad person			
10. I felt lonely			
11. I thought nobody really loved me			
12. I thought I could never be as good as other kids			
13. I did everything wrong			

Check any topic below you would like to talk about today:



MOOD&FEELINGS

PAR E N T Q U E STIONNAIRE

This form is about how your child may have been feeling or acting recently.

For each question, please check how much she or he has felt or acted this way in the past two weeks.

		NOT TRUE	SOMETIMES	TRUE
1.	S/he felt miserable or unhappy			
2.	S/he didn't enjoy anything at all		ū	ū
3.	S/he felt so tired that s/he just sat around and did nothing		ū	
4.	S/he was very restless		ū	
5.	S/he felt s/he was no good any more		ū	ū
6.	S/he cried a lot		ū	ū
7.	S/he found it hard to think properly or concentrate		ū	ū
8.	S/he hated him/herself		ū	ū
9.	S/he felt s/he was a bad person		ū	ū
10.	S/he felt lonely		ū	ū
11.	S/he thought nobody really loved him/her		ū	ū
12.	S/he thought s/he could never be as good as other kids		ū	
13.	S/he felt s/he did everything wrong		۵	٦

Below are questions for me to better understand your child's emotions, behavior, and strengths.

Circle "Yes" or "No" Additionally, you can leave any question blank and/or add comments.

My child feels safe at home My child feels safe at school	YES YES	NO NO			
Comments:					
I can recognize when my chil My child and I can work toget Comments:	d has big emotic ther to calm dov -	ons vn when u	ıpset	YES YES	NO NO
My child has experienced rece My child has experienced loss Comments:	nt big changes es in their life -	Y	YES NO ′ES NO		
There are many activities my I feel I have the support I ne YES NO	child and I enjo	by doing to giver to m	ogether ny child	YES	NC

Comments:

THANK YOU FOR SHARING

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Depression Scoring

Scoring Mood & Feelings Questionnaire:

Assign a numerical value to each answer

- Not true = 0
- Sometimes = 1
- True = 2

A total score on the child's version of the SMFQ of 8 or more is significant.

Sensitivity of 60% and specificity of 85% for major depression is at a Cut- off score of 8 or higher.

Diabetes Mellitus- High Sugar



Diabetes Mellitus-Severe High Sugar



*Correction Factor Example Blood glucose = 220 Target = 120 Correction factor = 50

220 (measured blood glucose) - 120 (target) = 100 (amount to be corrected) 100 (amount to be corrected) /50 (correction factor) = 2 (correction dose)

Diabetes Mellitus – Low Sugar



Fever - possible causes



- rash
- Measles
- Chicken pox
- Enterovirus



Upper respiratory infection

- Cough
- Runny nose

Influenza

- Cough
- Headache
- Arthralgia

Pneumonia

- Cough
- Tachypnea

ті
Dysuria
Emesis
Back
nain

Post vaccine

Kawasaki diseaseSkin peeling,

conjunctivitis, cracked lips, pinkeye,

rash

HEAD INJURIES

Head injuries can be caused by falls, collisions, car accidents and as a result of child abuse. When a child presents to the clinic with a history of having "bumped" their head or injured themselves in a fall, it is crucial to quickly identify the difference between:

- a minor head injury that needs simple first aide
- an injury that is more serious needing medical evaluation
- an injury that is potentially life threatening

Types of head injuries

SCALP INJURIES: Examples are swelling, bruises, cuts or scrapes. The scalp is very vascular so even a minor scalp injury can cause a big bruise and bump (goose egg). Scalp swelling or bruising alone does not indicate injury to the brain as the skull protects the brain.

SKULL FRACTURES: Some types of skull fractures can be stable. However, a fracture such as a depressed skull fractures or a basilar skull fracture, can cause pressure on the brain and are more serious. Skull fractures that causes bruising around the eyes and clear drainage from nose or ears need to be observed by a provider at hospital.

Brain injuries

A <u>concussion</u> is a mild form of brain injury but can be serious, lasting months or longer. Symptoms that indicate possible concussion include: brief period of confusion or memory loss, dizziness, nausea, prolonged headache, light sensitivity, difficulty concentrating, fatigue, lack of motivation, behavioral changes and irritability.

<u>Bruising, swelling or bleeding</u> are more serious injuries caused by head trauma are more serious. Symptoms can include difficulty waking or keeping awake, neurologic symptoms such as weakness in arms or legs, unsteady gait, slurred speech or confusion.

Assessment of head injury

When a child presents to the clinic with a history of a head injury, obtaining the best history possible is crucial. This should include:

when the injury happened

what was the mechanism of injury (fall from slide, bumped head on wall, etc.)

history of loss of consciousness

identifying witnesses to the event

taking note of the ability of the child to remember events prior to the injury itself

the possibility that child abuse was a factor

how the child was acting prior to and after the injury

any wounds to head/face/neck or anywhere else

any history of bleeding disorder or bruising easily

history of developmental or neurologic disorder

<u>CT Scan. When is it</u> <u>needed?</u>

If the child is <2 yrs. old



If the is > 2 yrs. old



HEAD INJURY TRIAGE

Mild

CHILD PRESENTS WITH:

- NO HISTORY OF LOSS OF CONSCIOUSNESS
- IS ALERT AND INTERACTS APPROPRIATELY
- HAS MINOR INJURY LOCALIZED TO SCALP WITH SWELLING OR BRUISE
- MAY HAVE LOCALIZED PAIN
- MAY HAVE CRIED IMMEDIATELY BUT OTHERWISE NORMAL

Child may be treated in clinic (ice, pressure to wound if bleeding, rest, topical antibiotic and dressing) Guardian should be contacted

Moderate

CHILD PRESENTS WITH:

- HEADACHE, NAUSEA, DIZZINESS, LIGHTHEADEDNESS, FOGGY THINKING, FATIGUE, SENSITIVITY TO NOISE OR LIGHT, PROBLEMS WITH CONCENTRATION OR MEMORY, BLURRED VISION THERE IS A SUSPICION OF POSSIBLE CHILD ABUSE
- HISTORY OF BLEEDING, DEVELOPMENTAL OR NEUROLOGICAL DISORDERS
- <2 YRS OLD, HISTORY OF CHILD ABUSE OR NECK INJURY

Child needs medical evaluation. Schedule clinic or telemedicine visit. Have child answer questions

CHILD PRESENTS WITH ANY OF THE FOLLOWING:



- WORSENING HEADACHE
- SLURRED SPEECH
- REPEATED DIZZINESS
- VOMITING MORE THAN TWICE
- DIFFICULTY WALKING
- DIFFICULTY WAKING UP
- UNEQUAL PUPILS
- SEIZURES CONFUSION
- OOZING BLOOD OR CLEAR LIQUID FROM NOSE OR EARS
- MAJOR BLEEDING THAT CAN'T BE STOPPED
- LOSS OF CONSCIOUSNESSFOR MORE THAN 1 MINUTE
- NECK STIFFNESS OR PAIN (PROTECT NECK FOR MOVEMENT)



Hypertension

Hypertension is blood pressure (BP) that is higher than normal. Blood pressure is the pressure of blood pushing against the walls of your arteries. Arteries are what carry your blood from your heart to other parts of your body. In children younger than 13, we determine if they have hypertension based on their age and height. In children older than 13, we use the adult guidelines (> 120/80).

Why screen for hypertension?

It is normal for BP to rise and fall throughout the day, but if it stays too high for too long, this can cause damage to body organs like the heart and kidneys. Children who experience hypertension generally do not experience negative effects immediately (like heart attack and stroke). But we do know that long-term hypertension in children puts them at higher risk for these negative events in adulthood. Monitoring children for hypertension and intervening early can provide better outcomes for them later in life.

When to screen for hypertension?

The American Academy of Pediatrics (AAP) recommends that all children be screened for hypertension once a year after the age of 3. The AAP also recommends that children be screened at every office visit if they have obesity, are taking medications that could increase BP, or have other high-risk factors for hypertension, like diabetes or kidney disease.

In the SBHC, we have the opportunity to take each child's BP at every visit, which could help us to identify children with hypertension who may not have been diagnosed yet.

How to screen for hypertension?

The AAP has provided a chart that can be used at each office visit to quickly identify the children who should be further assessed for hypertension:

Hypertension-cont'd

Age, y	Boys-Systolic	Boys-Diastolic	Girls-Systolic	Girls-Diastolic
1	98	52	98	54
2	100	55	101	58
3	101	58	102	60
4	102	60	103	62
5	103	63	104	64
6	105	66	105	67
7	106	68	106	68
8	107	69	107	69
9	107	70	108	71
10	108	72	109	72
11	110	74	111	74
12	113	78	114	75
13 and older	120	80	120	80

BP values requiring further evaluation (BP mmHg)

If you are triaging a patient and their BP is higher than the value listed in the chart for their age, it is first a good idea to repeat taking the blood pressure using a manual cuff and ensuring good practices (for example, child is calm, correct cuff size, etc). If the reading is still elevated, please notify the provider.

Depending on the situation, the provider will probably want the child to schedule a follow-up appointment to have their BP checked again. Hypertension is diagnosed after 3 separate elevated readings.

How to treat hypertension in children?

Lifestyle changes are usually the first interventions (i.e. improved diet, exercise). If after 6-12 months the BP is still elevated, medication may be considered as a form of treatment. Regular readings are also important to monitor whether the BP is trending up or down.

Influenza



<=15 kg: 30 mg BID 15.1 kg- 23 kg: 45 mg BID for 5 days 23.1-40 kg: 60 mg BID for 5 days >40.1 kg: 75 mg BID for 5 days HEAD LICE (Pediculosis Capitis):

Head lice are tiny bugs about the size of a sesame seed (2–3 mm long). Their bodies are usually pale and gray, but their color may vary. One of these tiny bugs is called a louse. Head lice feed on small amounts of blood from the scalp. They can usually live 1 to 2 days without blood meal. Lice lay and attach their eggs to hair close to the scalp.



The eggs and their shell casings are called nits. They are oval and about the size of a knot in thread (0.8 mm long and 0.3 mm wide) and usually yellow to white. Some nits may blend in with some people's hair color, making them hard to see, and are often confused for dandruff or hair spray droplets. Nits attach to the hair with a sticky substance that holds them firmly in place. After the eggs hatch, the empty nits stay on the hair shaft.

Lice commonly affect school-aged children and their families. It can affect anyone and has nothing to do with being clean or dirty. Head lice affect all socioeconomic groups.

Head lice are crawling insects. They cannot jump, hop, or fly. The fundamental way head lice spread is from close, prolonged head-to-head contact. It is unlikely that head lice will spread by sharing items such as combs, brushes, and hats. Away from the scalp, head lice survive < 1 day at room temperature and their eggs are non-viable in 1 week. Pets do not play a role in head lice.

Itching of the scalp is the most common symptom of lice. Itching primarily happens behind the ears or at the back of the neck. Excoriations and crusting can be found on the ears and nape of the neck, and regional lymphadenopathy. Some children are asymptomatic, though. Also, itching caused by head lice can last for weeks, even after they have eliminated the lice.

Lice_cont'd

How do you check for head lice?

- Seat the child in a brightly lit room
- Part the hair and look for crawling lice and nits one section at a time
- Live lice are hard to find. They avoid light and move quickly.

Nits will look like small white or yellow-brown specks and be firmly attached to the hair near the scalp. The easiest place to find them is at the hairline, at the back of the neck or behind the ears. Nits can be confused with many other things such as dandruff, dirt particles, or hair spray droplets. The way to tell the difference is that nits are firmly attached to hair, while dandruff, dirt, or other particles are not.

Treatment:

Once the diagnosis of lice is confirmed, treatment with an OTC solution is started (see table below). There is some documented resistance to clinical OTC solutions, so if persistent infestation, a prescription medicine should be started. It is important to meticulously "comb-out" the hair besides the above treatments.

Of note, none of the "usual" treatments for lice (per the Red Book) are on the IHS formulary. In speaking with the Ft Peck nurses, tea tree oil products are most commonly used and seem to be effective. There is limited data for this treatment.

Here is how to use the comb-out method:

Step 1: Wet the child's hair.

Step 2: Use a fine-tooth comb and comb through the child's hair in small sections.

Step 3: After each comb-through, wipe the comb on a wet paper towel. Examine the scalp, comb, and paper towel carefully.

Step 4: Repeat steps 2 and 3 until you've combed through all of your child's hair.

In addition:

There is some limited benefit in washing the child's clothes, towels, hats, and bed linens in hot water and dry on high heat if they were used within 2 days before head lice were found and treated.

You do not need to throw these items away. Items that cannot be washed may be dry-cleaned or sealed in a plastic bag for 2 weeks, such as stuffed animals.

All household members and close contacts should also be checked and treated.

School and "no-nit" policies:

The American Academy of Pediatrics and National Association of School Nurses discourage such policies and believe a child should not miss or be excluded from school because of head lice.



Otitis Media Decision Tree



Pneumonia – Community Acquired



Re-evaluate in 2-3 days

Ringworm

Ringworm is an itchy rash caused by a fungus and gets its name from the ring-shaped appearance on the skin. It is often named for where it is located on the body and therefore has other names such as athlete's foot (ringworm of the feet) and jock itch (ringworm of the groin). Ringworm is NOT caused by a worm as the name may suggest.

SYMPTOMS:

• Red, itchy rash with central clearing on the scalp, face, body, groin, feet or hands

TREATMENT:

Treatment is based on the location of the rash and typically is an antifungal cream such as clotrimazole 1% cream applied to the site of infection on the body or antifungal pills such as griseofulvin that can be taken by mouth when the infection is located on the scalp.

PREVENTION:

You can get ringworm from people, animals (especially cats), or places (wrestling mats)

- Keep your skin, hair, and nails clean and dry
- Do not share towels, clothing, or hairbrushes
- Wash towels and clothing in hot water and soap to destroy the fungus
- Keep common use areas clean
- If you have athlete's foot, stay away from common areas such as community pools and gyms until the infection has resolved



Urinary Tract Infection



SPECIFIC SYMPTOMS

Urinary urgency, dysuria, fever, CVA / flank tenderness, suprapubic tenderness

Obtain U/A and urine culture.

Start antibiotic therapy

EMPIRIC ANTIBIOTICS:

- Consider PO Cephalexin OR Trimethoprim / sulfamethoxazole
- Consider IM Ceftriaxone if PO intolerant
- Consider previous culture results and sensitivities
- Consider gonorrhea / chlamydia (GC/CT) and other STI screening.

CLEAN CATCH URINE:

Tell patient to open the sample cup cup (do not touch inside), wipe with sterile towelette, start urinating, stop and collect a mid-stream sample in the sample cup

URINE FOR GONORRHEA AND CHLAMYDIA (GC / CT) TESTING:

No wiping, open the sample cup (do not touch inside), catch the very first part of the urine stream in a cup.

(Some patients can manage do the GC / CT, halt stream, wipe, and then do a mid-stream clean catch.)

Wart

<u>Definition</u> = raised, round, rough-surfaced growth on the skin found most commonly on the hands and bottom of feet (plantar wart). Caused by a virus (papillomaviruses) and expected to disappear without treatment in 2 to 3 years. They are harmless and there are no shortcuts in treating a wart. With treatment a wart will resolve in 2 to 3 months.



Home treatment:

1) Soak the wart in warm water for 5 minutes (after bath or shower works great!)

2) Remove dead wart material – rubbing with a pumice stone or a foot callus scraper (can buy at a drugstore)

3) Buy liquid over-the-counter wart medication with salicylic acid (Wort off, Compound W, Clear away) and apply to the wart daily.







- 4) Cover the wart with duct tape after applying wart medicine.
- 5) Repeat medication application + Band-Aid or duct tape daily.

<u>Contagiousness</u> = Encourage your child not to pick at the wart because it may spread. If your child chews or sucks the wart, cover it with a Band-Aid and change it daily. Chewing on warts can cause warts to develop on the lips or face. Warts are not very contagious to other people, though they can be spread on feet if barefoot at locations like pools.

Follow-up with the pediatrician if:

- Warts develop on the feet, genitals, or face
- Wart becomes open and looks infected
- New warts develop after 2 weeks of treatment
- Warts are still present after 8 weeks of treatment

References

Acne

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6715335/

Attention Deficit Disorder

- 1. American Academy of Pediatrics Practice Guidelines (ADHD). Pediatrics. 2000;105:1158-1170
- 2. Pliszka SA ,et al. Texas Children's Medication Algorithm Project. J Am Acad Child Adolsc Psychiatry. 2006;45;6 642-657
- 3. Nass RD. Semin Pediatr Neurol. 2006;12:200-216.

Asthma

- 1. https://www.healthychildren.org/English/tips-tools/symptomchecker/Pages/symptomviewer.aspx?symptom=Asthma+Attack
- 2. https://www.chop.edu/clinical-pathway/asthma-acute-primary-care-clinicalpathway
- 3. https://pedsinreview.aappublications.org/content/40/11/549/tab-figures-data

COVID 19

- 1. https://app.box.com/file/ 719462632370?s=rmfcvs60ab8112tji7qj64dssn71ta3v
- 2. https://www.cdc.gov/ coronavirus/2019- ncov/hcp/ duration-isolation.html
- 3. https://www.cdc.gov/ coronavirus/2019-ncov/more/scientific- brief-options-toreduce-quarantine.html

Croup

https://www.chop.edu/clinical-pathway/croup-emergent-evaluation-clinical-pathway

Depression

- 1. Angold A, Costello EJ, Messer. SC. "Development of a short questionnaire for epidemiological Studies of depression in children and adolescents." International Journal of Methods in Psychiatric Research (1995), 5:237-249
- 2. https://pediatrics.aappublications.org/content/early/2016/02/04/peds.2015-4467

Diabetes

- 1. https://www.childrensmn.org/downloads/2015/10/carespecialties.diabetes.dkapr eventionpump.pdf
- 2. https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7190258/
- 3. https://dailymed.nlm.nih.gov/dailymed/fda/fdaDrugXsl.cfm?setid=a0845f53edad-e28f-e053-2995a90a31cf&type=display
- 4. https://www.massgeneral.org/children/hypoglycemia#:~:text=Treatment%20for %20severe%20hypoglycemia,sugar%20level%20back%20to%20normal.

References-cont'd

Fever

https://www.merckmanuals.com/professional/pediatrics/symptoms-in-infants-andchildren/fever-in-infants-and-children

Head Injury

1.) <u>https://www.healthychildren.org/English/health-issues/injuries-</u> <u>emergencies/Pages/</u> Head-Injury.aspx

- 2.) <u>https://www.seattlechildrens.org/conditions/a-z/head-injury/</u>
- 3.) https://www.cdc.gov/nchs/products/databriefs/db423.htm
- 4.) <u>https://www.uptodate.com/contents/minor-blunt-head-trauma-in-</u>

children-2-years-clinical-features-and-evaluation

5.) https://californiaacep.org/page/PECARN

Hypertension

- 1. CDC: https://www.cdc.gov/bloodpressure/facts.htm)
- 2. AAP: https://pediatrics.aappublications.org/content/140/3/e20171904

Influenza

- 1. https://www.cdc.gov/flu/professionals/diagnosis/algorithm-results-circulating.htm
- 2. https://www.cdc.gov/flu/symptoms/index.html

Lice

- 1. The Red Book, 2018-2021, 31st edition, "Pediculosis Capitis"
- "Activity of tea tree oil and nerolidol alone or in combination against Pediculus Capitis (head lice) and its eggs." Parasitol Res. 2012 Nov;111(5):1985-92. doi: 10.1007/s00436-012-3045-0. Epub 2012 Jul 31

Mental health

- 1. https://jdc.jefferson.edu/cgi/viewcontent.cgi?article=1111&context=jeffjpsychiatry
- 2. https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3181648/

OM

https://www.aappublications.org/news/2018/06/26/idsnapshot062618

Pneumonia

- 1. https://www.aafp.org/afp/2012/1001/p661.html
- 2. https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5801082/

Ringworm

- 1. https://www.uptodate.com/contents/dermatophyte-tineainfections/
- 2. https://www.healthychildren.org/English/healthissues/conditions/skin/Pages/Tinea-Infections-Ringworm-Athletes-Foot-Jock-Itch.aspx

Suicide

- 1. https://pediatrics.aappublications.org/content/138/1/e20161420
- 2. https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4494780/

UTI

- 1. https://pedsinreview.aappublications.org/content/39/1/3
- 2. https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4173959/

WARTS

1. <u>https://www.quickanddirtytips.com/health-fitness/mens-health/4-</u> <u>common-ways-to-get-rid-of-warts</u> copywrite-free image