

# Patient History for Robert Dervicious—MHN #8000226

## Initial Patient Screening Slip Information

Robert Dervicious MHN #8000226 is a 5'11", 160 lb., 77 year-old retired engineer. Robert is currently using a walker due to knee replacement surgery a couple of weeks ago. The admitting nurse noted his speech is slurred, his eyes look blood-shot, and his breath reeks of alcohol. He has a temperature of 101°F, a blood pressure of 160/110 and a heart rate of 80 bpm. Robert came to the urgent care clinic because he doesn't feel well and he has sores on his forearms that won't heal and an unusual sunburn-type rash covering parts of his exposed upper torso.

## Additional Patient Information

### Activities/Hobbies/Interests

- Bingo, almost every night
- Completes puzzles to keep his brain sharp
- Gardening and pruning shrubs
- Hates mowing, but his son is mowing since his knee's been acting up
- Since his knee began acting up he's watched more television
- Walking his dog at the local forest preserve, but lately he hasn't been able to do this. As a consequence his dog is bringing him "presents" of dead birds from the adjacent fields after she goes out to do her business.

### Diet

- Enjoys a daily shot of whiskey in the morning, at noon, and in the evening
- Meat and potatoes
- Rarely drinks water

### Lifestyle

- Lives in an ancestral home on the edge of town with his wife of 55 years
- Showers daily

### Recent Travel

- None

### Medical Conditions

- Osteoarthritis
- Total knee replacement surgery two weeks ago so he walks with a walker and goes to physical therapy several times a week

### Vaccinations

- Current on all vaccinations
- Flu shot every fall

### Physical Symptoms

- Chills
- Elevated blood pressure, 160/110
- Fever, 101°F
- Headache
- Loss of control on his left side
- Muscle aches
- Nausea
- Normal heart rate, 80 bpm
- Slurred speech
- Stiff and painful neck

### Lab Test Results

- Blood cell and serum culture: presence of Streptococcus bacteria in blood
- Complete blood count: high number of white blood cells present
- CSF test and culture: elevated WBC count, presence of Streptococcus bacteria in cerebrospinal fluid
- CT or MRI, head: ring enhancing lesion appearance
- EEG test: abnormal brain activity
- All other tests normal

**Diagnosis:** Brain abscess from his recent knee surgery.

# Patient History for Brook Traut—MHN #8000523

## Initial Patient Screening Slip Information

Brooke Traut MHN #8000523 is a 5'6", 156-lb. housekeeper, who came to the urgent care clinic because her symptoms are getting worse and her obstetrician told her to go to urgent care. She is worried because she is 3 months pregnant. Brooke is experiencing a fever, muscle pain, headache, and blurry vision. Brooke's temperature is 102.3 °F. Her blood pressure is 105/70, and her heart rate is 75 bpm.

## Additional Patient Information

### Activities/Hobbies/Interests

- Enjoys playing with the new cats (recently adopted)
- Landscaping since the new home's landscaping was overgrown
- Reading about pregnancy

### Diet

- Drinks tap water
- Eating a lot of raw, organic foods since she's been pregnant
- No caffeine, soft cheeses or lunch meat since she's been pregnant

### Lifestyle

- Housekeeper
- Just rescued two cats from a shelter
- Recently purchased an older home with her husband

### Recent Travel

- None

### Medical Conditions

- Three months pregnant

### Vaccinations

- No vaccinations since entering high school

### Physical Symptoms

- Blurred vision
- Chills
- Enlarged lymph nodes
- Fever, 102.3 °F
- Headache
- Muscle aches
- Normal blood pressure, 105/70
- Normal heart rate, 75 bpm
- Red eyes
- Sore throat

### Lab Test Results

- CSF: positive for *T. gondii*
- ELISA, cerebrospinal fluid or amniotic fluid: positive for *T. gondii* antibodies
- Immunoblot, cerebrospinal fluid or amniotic fluid: positive for *T. gondii* antibodies
- Immunoglobulin blood test: elevated IgG and IgM
- Palpation, neck: lymph nodes enlarged
- PCR, cerebrospinal fluid or amniotic fluid: *T. gondii* DNA present
- All other tests normal

**Diagnosis:** Toxoplasmosis from infected cat feces

# Patient History for Tate Whitman—MHN #8000915

## Initial Patient Screening Slip Information

Tate Whitman MHN #8000915 is a 63, 180-lb., 34 year-old salesman. Tate is experiencing a persistent dry cough, muscle aches, chills and the cut on his leg won't heal and now has a rash as well. The admitting nurse measured his temperature as 101.5 °F, a blood pressure of 110/70, and a heart rate of 85. Tate has felt under the weather since returning from last week's business trip and is blaming the "cruddy" hotel for his illness since he cut his leg on the bed frame and it won't heal.

## Additional Patient Information

### Activities/Hobbies/Interests

- Reads
- Plays games on his smart phone
- Likes to jog and swim because **he** can do that while he travels

### Diet

- Often eats at restaurants since he travels a lot but he is trying to make healthier choices
- Drinks **bottled** water, soda, and coffee

### Lifestyle

- Career-minded and a successful businessman who frequently travels all over the United States to attend conferences and interact with customers
- Single, not currently sexual active
- Joined the local gym a month **ago and started** lifting weights

### Recent Travel

- Returned one week ago **from a week-long business trip**

## Medical Conditions

- Heart murmur from a childhood bout of scarlet fever
- Large cut on his leg that isn't healing. He cut his leg on a sharp corner in his last hotel room.

## Vaccinations

- Current on all vaccinations
- Flu shot every year

## Physical Symptoms

- Chills
- Dry cough that won't stop
- Fever, 101.5 °F
- Joint pain
- Muscle aches
- Normal blood pressure, 110/70
- Normal heart rate, 85 bpm
- Skin rash
- Swollen legs, especially near the cut
- Weight loss

## Lab Test Results

- Blood cell and serum culture: presence of *Staphylococcus aureus*
- Detection of a heart murmur
- Echocardiogram: abscess on the heart valves, irregular valve and heart movement
- Palpation, feet and legs: swollen legs
- PCR, blood and serum: DNA from *Staphylococcus aureus* present
- All other tests normal

**Diagnosis:** Infective endocarditis from *Staphylococcus aureus* entering his cardiovascular system

# Patient History for Mark Schlappe—MHN #8001223

## Initial Patient Screening Slip Information

Mark Schlappe MHN #8001223 is a 5'11", 193-lb., 39 year-old organic farmer. Mark came to the urgent care clinic because he can't seem to shake the "flu", which he's had for more than a week. He is complaining of a fever, vomiting, headache, and fatigue. The admitting nurse recorded a temperature of 100.8 °F, a blood pressure of 115/75, and a heart rate of 75 bpm and noted that he has dirt on what appears to be infected sores or rash on his body.

## Additional Patient Information

### Activities/Hobbies/Interests

- Enjoys swimming in **the** lake
- Stargazing

### Diet

- Consists mainly of home-grown vegetables and meat of personally-raised livestock
- Prefers medium-rare beef
- Admits to drinking from the spring-fed stream that **runs through** the farm

### Lifestyle

- Lives on the farm in an old farm house with his wife and kids
- Organic farmer that raises livestock, vegetables, and fruit trees
- Spends the majority of **his days outside**

### Recent Travel

- None

### Medical Conditions

- Eczema

### Vaccinations

- Current on all vaccinations
- Tetanus booster two years ago

### Physical Symptoms

- Fatigue
- Fever, 100.8 °F
- Headache
- Light sensitivity
- Loss of appetite
- Loss of coordination
- Normal blood pressure, 115/75
- Normal heart rate, 75 bpm
- Vomiting

### Lab Test Results

- All other tests normal
- Antibody-antigen blood test: neutralizing antibodies present
- Complete blood count: low number of WBC and platelets present
- CSF test and culture: elevated WBC count, increased intracranial pressure, IgM antibodies for Flaviviridae virus present in cerebrospinal fluid
- CT or MRI, head: swelling in the brain
- EEG: abnormal brain activity
- Immunoglobulin blood test for IgA, IgG, and IgM: elevated IgG and IgM
- RT-PCR from cerebrospinal fluid: Flaviviridae RNA present

**Diagnosis:** Encephalitis from a mosquito bite

# Patient History for Dotti Koorgard—MHN #8001661

## Initial Patient Screening Slip Information

Dotti Koorgard MHN #8001661 is a 5'10", 166-lb., 35 year-old female architect. The admitting nurse measured her temperature at 98.5 °F, her blood pressure as 110/80, and her heart rate at 100 bpm and noted that Dotti is squinting. Dotti indicated she normally is an upbeat, optimistic individual, but lately she doesn't feel right. She's fatigued, has brain fog, achy muscles, and diarrhea.

## Additional Patient Information

### Activities/Hobbies/Interests

- Avid swimmer in pools and the local lake
- Currently training for an upcoming triathlon
- Loves the outdoors
- Rehabbing her house inside and out

### Diet

- Currently eating out a lot because of a kitchen remodel
- Drinks a lot of coffee

### Lifestyle

- Works long hours as an architect when a project is due
- She and her husband live in historic, fixer-upper in a small town that they are rehabbing.

### Recent Travel

- Trip to family's lake home in the north woods

### Medical Conditions

- Recent rash on her forearm
- Wearing an old pair of glasses with an outdated prescription

### Vaccinations

- Current on all vaccinations
- Flu shot every year

### Physical Symptoms

- Blurry vision, squinting to see
- Brain fog
- Diarrhea
- Fatigue
- Metallic taste
- Normal blood pressure, 110/80
- Normal body temperature, 98.5 °F
- Rash on her forearm
- Tachycardia, 100 bpm
- Weight loss

### Lab Test Results

- Blood test for metals: lead 45 µg/dL
- X-ray, abdomen or long bone: bone changes visible
- All other tests normal

**Diagnosis:** Lead poisoning from lead paint or old pipes in her home

# Patient History for Yenne Urgstrom—MHN #8002478

## Initial Patient Screening Slip Information

Yenne Urgstrom MHN #8002478 is a 6'2", 210-lb., 21-year old male college student at Youngstown State University. The admitting nurse measured a temperature of 103 °F, a blood pressure of 95/62, and a heart rate of 68 bpm. He feels lethargic, is vomiting and complaining about a stiff neck. The nurse also observed Yenne squinting in the moderately lit examination room.

## Additional Patient Information

### Activities/Hobbies/Interests

- Likes to paint with oils and sketch with pastels
- Plays intermural sports and hikes

### Diet

- Drinks a lot of tap water and energy drinks to offset frequent hangovers and lack of sleep
- Eats dorm food, pizza, and Chinese takeout

### Lifestyle

- Averages only five hours of sleep a night at college
- Binge drinker
- Dorm resident
- Full-time college student
- Part-time job on campus
- Poor hygiene when it comes to sanitizing and washing his hands
- Recently returned from three-week semester abroad in Haiti
- Single, sexually promiscuous

### Recent Travel

- Recently returned from three-week semester abroad in Haiti

### Medical Conditions

- None

### Vaccinations

- Two months ago—Hepatitis A and B, rabies, typhoid, MMR booster

### Physical Symptoms

- High fever, 103 °F
- Lethargy
- Light sensitivity
- Muscle aches
- Nausea
- Normal blood pressure, 95/62
- Normal heart rate, 68 bpm
- Rash
- Severe headache
- Stiff neck
- Vomiting

### Lab Test Results

- Blood cell and serum culture: positive for *Neisseria meningitidis*
- Complete blood count: Elevated WBC
- CSF: elevated WBC, low glucose levels, elevated protein levels, positive for *Neisseria meningitidis*
- Meningococcal rash pressure test: rash stays red when pressed
- PCR, cerebrospinal fluid: antibodies against *Neisseria meningitidis*
- Throat culture: positive for *Neisseria meningitidis*
- X-rays or CT, head or chest: inflammation of tissues in the head, chest, or sinuses
- All other tests normal

**Diagnosis:** Bacterial meningitis from dorm living

# Patient History for Kiresha Jones—MHN #8002581

## Initial Patient Screening Slip Information

Kiresha Jones MHN #8002581 is a 5'6", 190-lb., 22 year-old recent college graduate. Kiresha came to the urgent care clinic complaining of a lingering fatigue, headaches, nausea, and achy muscles, especially her back. The admitting nurse recorded a temperature of 100 °F, a blood pressure of 140/95, and a heart rate of 85 bpm. Kiresha's medical record indicates she has a history of uncontrolled diabetes.

## Additional Patient Information

### Activities/Hobbies/Interests

- Just began to exercise
- Likes to go out with friends on the weekends

### Diet

- Drinks a lot of soda, doesn't like diet soda
- Drinks alcohol socially
- Recently has begun to eat a balanced diet to lose weight

### Lifestyle

- Moved back home after graduation
- Part-time job for now but looking for full-time work
- Recently began to exercise in order to lose weight
- Single, sexually active

### Medical Conditions

- Diabetic, type 1, until recently it was often uncontrolled

### Vaccinations

- Current on all vaccinations

### Recent Travel

- Recently spent a week camping at a remote lake with friends to celebrate graduation

### Physical Symptoms

- Achy muscles
- Back pain
- Fatigue
- Fever, 100 °F
- Fluid retention (bloating)
- Headache
- High blood pressure, 140/95
- Nausea
- Normal heart rate, 85 bpm

### Lab Test Results

- Comprehensive metabolic panel: high levels of urea and creatinine
- CT, abdomen: blockage within the urinary tract or the kidneys
- Palpation, back: swelling and pain over kidneys
- Ultrasound, abdomen: blockage within the urinary tract or the kidneys
- Urinalysis: reveals elevated levels of albumin protein, glucose, high specific gravity
- All other tests normal

**Diagnosis:** Acute kidney failure due to her previous bouts of uncontrolled diabetes

# Patient History for Astrid Scott—MHN #8003841

## Initial Patient Screening Slip Information

Astrid Scott MHN #8003841 is a 3'5", 35-lb., 4 year-old preschooler. Her mother brought her into the urgent care clinic upon noticing her daughter's fever, lethargy, body aches, and cough were not improving after a few days. The admitting nurse measured Astrid's body temperature to be 103 °F, her blood pressure is 104/66, her heart rate is 100 bpm, and Astrid is not very alert or responsive.

## Additional Patient Information

### Activities/Hobbies/Interests

- Likes to play in the sandbox
- Regularly accompanies her siblings in wading in the nearby pond
- Enjoys playing in her stick fort in the woods behind her home

### Diet

- Is a picky eater so she is given a nutritional drink supplement every morning
- Is a loyal patron of fast food kid's meals

### Lifestyle

- Attends a pre-school class with 19 other students
- Lives at home with her mother, father, two older brothers, and a dog

### Medical Conditions

- None

### Vaccinations

- DTap, IPV, MMR, and Varicella 10 days ago

### Recent Travel

- Returned from a family camping trip in North Carolina two weeks ago

### Physical Symptoms

- Cough
- Fever, 103 °F
- Lethargy
- Normal blood pressure, 104/66
- Normal heart rate, 100 bpm
- Says her body hurts
- Skin rash
- Vomiting

### Lab Test Results

- Antibody-antigen blood test: positive
- Complete blood count: Low WBC (white blood cell) count, low platelet count, may see infected WBC
- Immunoglobulin blood test for IgA, IgG, and IgM: elevated IgM
- Liver function blood test: elevated liver enzymes
- PCR, blood: positive for Ehrlichia DNA
- All other tests normal

**Diagnosis:** Ehrlichiosis from an infected tick bite received during her recent camping trip in North Carolina or her backyard

# Patient History for Jonathon Smythe—MHN #8004118

## Initial Patient Screening Slip Information

Jonathon Smythe MHN #8004118 is a 5'7", 157-lb., 14 year-old high school freshman. His mother brought him to the urgent care facility when he was unable to get a doctor's appointment. She is concerned about her son's lack of energy and the "rash" on his torso. The attending nurse determined Jonathon's body temperature to be 101 °F, his blood pressure is 110/75 and his heart rate is 80 bpm.

## Additional Patient Information

### Activities/Hobbies/Interests

- Plays and watches sports
- Plays video games
- Hanging out with friends at the park and in the forest preserve
- Fishing
- Water skiing in the summer
- Snowboarding in the winter

### Diet

- Junk food whenever he can get it
- Drinks tap water but prefers soda

### Lifestyle

- High school freshman
- On the honor role, football team, wrestling team, baseball team
- Lives at home with his mother, father, two older brothers, and a dog
- Single, not sexually active

### Medical Conditions

- Severe infected acne

### Vaccinations

- Had human papillomavirus and meningococcal vaccinations 3 months ago

### Recent Travel

- None

### Physical Symptoms

- Chills
- Fever, 101 °F
- Headache
- Malaise
- Normal blood pressure, 110/75
- Normal heart rate, 80 bpm
- Rash on body with a pimple-like appearance.
- Tired

### Lab Test Results

- Antibody-antigen blood test: positive for Staphylococcus aureus antibodies
- Skin tissue culture: positive for Staphylococcus aureus
- Resistance test of cultured bacteria or fungi: positive for antibiotic resistant Staphylococcus aureus
- All other tests normal

**Diagnosis:** MRSA from open pimples allowing bacteria to enter body.

# Patient History for Juniper McJolly—MHN #8007163

## Initial Patient Screening Slip Information

Juniper McJolly MHN # 8007163 is a 5'2", 142-lb., 44 year-old accountant. She came to the urgent care clinic because of fever, nausea, vomiting, and diarrhea. The attending nurse determined her fever to be 102 °F, a blood pressure of 75/55 and a heart rate of 55 bpm. Juniper also said she is depressed because she's been gaining weight no matter how much she diets and exercises.

## Additional Patient Information

### Activities/Hobbies/Interests

- Plays card games
- Horseback riding and taking care of her horse

### Diet

- Currently no appetite but had been dieting prior to the recent nausea and vomiting
- Drinks tap water and hot tea
- Doesn't eat gluten

### Lifestyle

- Works full-time in a shared cubical at a large company
- Recently divorced with primary custody
- Single, not sexually active
- Lives in a two bedroom apartment with her middle-school aged daughter

### Medical Conditions

- Celiac disease

### Vaccinations

- No vaccinations since high school

### Recent Travel

- None

### Physical Symptoms

- Always cold
- Depressed
- Diarrhea
- Dry skin
- Fatigue
- Fever, 102 °F
- Low blood pressure, 75/55
- Low heart rate, 55 bpm
- Nausea
- Vomiting
- Weight gain

### Lab Test Results

- Antibody-antigen blood test: positive for viral RNA
- Biopsy, fine needle, thyroid: shows macrophages and lymphocytes
- Lipid panel: extremely low cholesterol levels
- Nuclear medicine scan with radioactive iodine uptake, thyroid: reveals low levels of radioactive iodine in the thyroid
- Palpation, neck: thyroid enlarged (goiter)
- RDT, influenza: positive
- RT-PCR, nasal swab: influenza RNA present
- Thyroid blood test: low levels of T3 and T4, high levels of TSH, high levels of antithyroid peroxidase antibodies
- Ultrasound, neck: enlarged thyroid or nodules on thyroid
- All other tests normal

**Diagnosis:** Hypothyroidism from Hashimoto's Disease and influenza

# Diagnosis—You Are the Doctor

## Initial Patient Screening Slips

**Instructions:** Cut along the dotted lines. Each student group will receive one slip at the start of the activity.

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**Robert Dervicious MHN #8000226** is a 5'11", 160 lb., 77 year-old retired engineer. Robert is currently using a walker due to knee replacement surgery a couple of weeks ago. The admitting nurse noted his speech is slurred, his eyes look bloodshot, and his breath reeks of alcohol. He has a temperature of 101 °F, a blood pressure of 160/110 and a heart rate of 80 bpm. Robert came to the urgent care clinic because he doesn't feel well and he has sores on his forearms that won't heal and an unusual sunburn-type rash covering parts of his exposed upper torso.

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**Brooke Traut MHN #8000523** is a 5'6", 156-lb., housekeeper, who came to the urgent care clinic because her symptoms are getting worse and her obstetrician told her to go to urgent care. She is worried because she is 3 months pregnant. Brooke is experiencing a fever, muscle pain, headache, and blurry vision. Brooke's temperature is 102.3 °F. Her blood pressure is 105/70, and her heart rate is 75 bpm.

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**Tate Whitman MHN #8000915** is a 6'3", 180-lb., 34 year-old salesman. Tate is experiencing a persistent dry cough, muscle aches, chills and the cut on his leg won't heal and now has a rash as well. The admitting nurse measured his temperature as 101.5 °F, a blood pressure of 110/70, and a heart rate of 85. Tate has felt under the weather since returning from last week's business trip and is blaming the "cruddy" hotel for his illness since he cut his leg on the bed frame and it won't heal.

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**Mark Schlappe MHN #8001223** is a 5'11", 193-lb., 39 year-old organic farmer. Mark came to the urgent care clinic because he can't seem to shake the "flu", which he's had for more than a week. He is complaining of a fever, vomiting, headache, and fatigue. The admitting nurse recorded a temperature of 100.8 °F, a blood pressure of 115/75, and a heart rate of 75 bpm and noted that he has dirt on what appears to be infected sores or rash on his body.

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**Dotti Koorgard MHN #8001661** is a 5'10", 166-lb., 35 year-old female architect. The admitting nurse measured her temperature at 98.5 °F, her blood pressure as 110/80, and her heart rate at 100 bpm and noted that Dotti is squinting. Dotti indicated she normally is an upbeat, optimistic individual, but lately she doesn't feel right. She's fatigued, has brain fog, achy muscles, and diarrhea.

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**Yenve Urgstrom MHN #8002478** is a 6'2", 210-lb., 21-year old male college student at Youngstown State University. The admitting nurse measured a temperature of 103 °F, a blood pressure of 95/62, and a heart rate of 68 bpm. He feels lethargic, is vomiting and complaining about a stiff neck. The nurse also observed Yenve squinting in the moderately lit examination room.

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**Kiresha Jones MHN #8002581** is a 5'6", 190-lb., 22 year-old recent college graduate. Kiresha came to the urgent care clinic complaining of a lingering fatigue, headaches, nausea, and achy muscles, especially her back. The admitting nurse recorded a temperature of 100 °F, a blood pressure of 140/95, and a heart rate of 85 bpm. Kiresha's medical record indicates she has a history of uncontrolled diabetes.

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**Astrid Scott MHN #8003841** is a 3'5", 35-lb., 4 year-old preschooler. Her mother brought her into the urgent care clinic upon noticing her daughter's fever, lethargy, body aches, and cough were not improving after a few days. The admitting nurse measured Astrid's body temperature to be 103 °F, her blood pressure is 104/66, her heart rate is 100 bpm, and Astrid is not very alert or responsive.

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**Jonathon Smythe MHN #8004118** is a 5'7", 157-lb., 14 year-old high school freshman. His mother brought him to the urgent care facility when he was unable to get a doctor's appointment. She is concerned about her son's lack of energy and the "rash" on his torso. The attending nurse determined Jonathon's body temperature to be 101 °F, his blood pressure is 110/75 and his heart rate is 80 bpm.

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**Juniper McJolly MHN # 8007163** is a 5'2", 142-lb., 44 year-old accountant. She came to the urgent care clinic because of fever, nausea, vomiting, and diarrhea. The attending nurse determined her fever to be 102 °F, a blood pressure of 75/55 and a heart rate of 55 bpm. Juniper also said she is depressed because she's been gaining weight no matter how much she diets and exercises.

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