

Presentation

- 32 yo F presents with sudden onset of left lower abdominal pain that radiates to the scapula and back and is associated with vaginal bleeding. Her last menstrual period was five weeks ago. She has a history of PID and unprotected intercourse.

Differential

- **Ectopic pregnancy**
- Ruptured ovarian cyst
- Ovarian torsion
- PID

Workup

- Pelvic exam
- Urine exam
- Cervical cultures
- U/S – pelvis
- Quantitative serum HCG

Presentation

- 28 yo F presents with a thin, grayish-white, foul-smelling vaginal discharge.

Differential

- **Bacterial vaginosis**
- Vaginitis- candida
- Vaginitis- trichomonal
- Cervicitis (chlamydia, gonorrhea)

Workup

- Pelvic exam
- Wet mount
- Cervical cultures
- KOH prep (“whiff test”)
- pH of vaginal fluid.

Presentation

- 30 yo F presents with, thick, white, collage cheese-like, odorless vaginal discharge and vaginal itching.

Differential

- Vaginitis-Bacterial
- Bacterial vaginitis
- Vaginitis-trichomonal.

Workup

- Pelvic exam
- KOH prep (“whiff test”)
- Wet mount
- Cervical cultures
- pH of vaginal fluid

- **Presentation**

- 35 yo F presents with a malodorous, profuse, frothy, greenish vaginal discharge with intense vaginal itching and discomfort.

- **Differential**

- Vaginitis – trichomonal
- Vaginitis candida
- Bacterial vaginosis
- Cervicitis (chlamydia, gonorrhea).

- **Workup**

- Pelvic exam
- Wet mount
- Cervical cultures
- pH of the vaginal fluid
- KOH prep (“with test”).

- **Presentation**

- 54 yo F c/o painful intercourse. Her last menstrual period was nice months ago. She has hot flashes.

- **Differential**

- **Atrophic vaginitis**
- Endometriosis
- Cervicitis
- Depression
- Domestic abuse

- **Workup**

- Pelvic exam
- Wet mount, KOH prep, cervical, cultures
- U/S - pelvis

○ **Presentation**

- 37 yo F presents with dyspareunia, inability to conceive, and dysmenorrhea.

Differential

- Endometriosis
- Cervicitis
- Veganismus
- Vulvodynia
- PID
- Depression
- Domestic violence.

Workup

- Pelvic exam
- Wet mount, KOH prep, cervical, cultures
- U/S-pelvis
- Laparoscopy

Presentation

- 28 yo F c/o multiple facial and bodily injuries. She was claims that she fell on the stairs. She was hospitalized for some physical injuries seven months ago. She presents with her husband.

Differential

- Rape

Workup

- Pelvic exam
- Urine hCC
- Wet mount, KOH prep, cervical cultures
- XR-skeletal survey
- CBC
- HIV antibody
- Viral hepatitis serologies

Presentation

- 30 yo F presents with wrist pain and a black eye after tripping, and hitting her head on the edge of a table. She looks anxious and gives an inconsistent story.

Differential

- **Domestic violence**
- Factitious disorder
- Substance abuse

Workup

- XR-Wrist
- CT- head
- Urine toxicology

Presentation

- 30 yo F secretary presents with wrist pain and a sensation of numbness and burning in her right hand. The pain worsens at night and is relieved by loose shaking of the hand. There is sensory loss in the some fingers, Exam reveals positive Tinsel's sign.

Differential

- Carpal tunnel syndrome
- Median nerve compression in forearm or arm

Workup

- Nerve conduction study
- XR-wrist
- MRI-wrist

Presentation

- 28 yo F presents with pain in the interphalangeal joints of her hands together with hair loss and a butterfly rash on the face.

Differential

- Systemic lupus erythematosus (SLE)
- Rheumatoid arthritis
- Parvovirus B19 infection

Workup

- ANA, anti-dsDNA, ESR, C3, C4, rheumatoid factor (RF), CBC
- XR-hands
- UA

Presentation

- 28 yo F presents with pain in the metacarpophalangeal joints of both hands. Her left knee is also painful and red. She has morning joint stiffness that lasts for an hour. Her mother had rheumatoid arthritis.

Differential

- **Rheumatoid arthritis**
- SLE
- Disseminated gonorrhea
- Arthritis associated with inflammatory bowel disease
- Osteoarthritis

Workup

- ANA, anti-dsDNA, ESR, RF, CBC
- XR- hands, left knee
- Cervical culture

Presentation

- 18 yo M presents with pain in the interphalangeal joints of both hands. He also has scaly, salmon-pink lesions on the extensor surface of his elbows and knees.

Differential

- **Psoriatic arthritis**
- Rheumatoid arthritis
- SLE

Workup

- XR- Hip, pelvis
- CT or MRI-hip
- CBC

Presentation

- 65 yo F presents with inability to use her left leg and bear weight on it after tripping on a carpet. Onset of menopause was 20 years ago, and she did not receive HRT or calcium supplements. Her left leg is externally rotated, shortened, and adducted, and there is tenderness in her left groin.

Differential

- **Hip Fracture**
- Hip dislocation
- Pelvis fracture

Workup

- Rectal exam
- UA
- CBC, BUN/Cr, PSA
- U/S-prostate (transrectal)
- CT- pelvis
- IVP

Presentation

40 yo M presents with pain in the right groin after a motor vehicle accident. His right leg is flexed at the hip, adducted, and internally rotated.

Differential

- Hip dislocation-traumatic
- Hip fracture

Workup

- XR-hip
- CT or MRI – hip
- CBC

Presentation

- 56 yo F presents with right knee stiffness and pain that increases with movement. Her symptoms have gradually worsened over the past 10 years. She noticed swelling and deformity of the joint and is having difficulty walking.

Differential

- **Osteoarthritis**
- Pseudogout
- Gout
- Meniscal or ligament damage

Workup

- XR-knee
- CBB
- ESR
- Knee arthrocentesis and synovial fluid analysis (cell count, Gram stain, culture crystals)
- MRI-Knee

Presentation

- 45 yo M presents with right knee pain with swelling and redness

Differential

- **Septic arthritis**
- Gout
- Pseudogout
- Lyme arthritis
- Trauma
- Reiter's arthritis

Workup

- CBC
- Knee arthrocentesis and synovial fluid analysis (see above)
- Blood, urethral cultures
- XR-knee
- Uric acid
- Lyme antibody

Presentation

- 65 yo M presents with right foot pain. He has been training for a marathon.

Differential

- **Stress fracture**
- Plantar fasciitis
- Foot sprain or strain

Workup

- XR-foot
- Bone scan-foot

Presentation

- 65 yo M presents with pain in the heel of the right foot that is most notable with his first few steps and then improves as he continues walking, He has no known trauma.

Differential

- **Plantar fasciitis**
- Heel fracture
- Splinter/ foreign body

Workup

- XR-Heel
- Bone scan

Presentation

- 55 yo M presents with pain he plays tennis. His grip is impaired as a result of the pain. There is tenderness over the lateral epicondyle as well as pain on resisted wrist dorsiflexion with the elbow in extension.

Differential

- **Tennis elbow (lateral epicondylitis)**
- Stress fracture

Workup

- XR-arm
- Bone scan
- MRI-elbow

○ **Presentation**

- 27 yo F presents with painful wrists and elbows, a swollen and hot knee joint that is painful on flexion, a rash on her limbs, and vaginal discharge. She is sexually active with multiple partners and occasionally uses condoms.

Differential

- **Disseminated gonorrhea**
- Rheumatoid arthritis
- SLE
- Psoriatic arthritis
- Reiter's arthritis

Workup

- Knee arthrocentesis and synovial fluid analysis (cell count, Gram stain, culture)
- ANA, anti-dsDNA, ESR, RF, CBC
- Blood, cervical cultures
- XR-knee

Presentation

- 60 yo F presents with pain in both legs that is induced by walking and is relieved by rest. She had cardiac bypass surgery six months ago and continues to smoke heavily.

Differential

- **Peripheral vascular disease** (intermittent claudication)
- Perishes syndrome (aortoiliac occlusive disease)
- Lumbar spinal stenosis (pseudoclaudication)
- Osteoarthritis

Workup

- Doppler U/S – lower extremity
- Ankle- brachial index
- MRI- lumbar spine

Presentation

○ 45 yo F presents with right calf pain. Her calf is tender, warm, red, and swollen compared to the left side. She was started on OCPs two months ago for dysfunctional uterine bleeding.

Differential

- **DVT**
- Baker's cyst rupture
- Myositis
- Cellulitis
- Superficial venous thrombosis

Workup

- Doppler U/S- right leg
- CBC
- CPK
- D-dimer

Presentation

- 60 yo F c/o left arm pain that started while she was swimming and was relieved by rest.

Differential

- **Angina/MI**
- Tendonitis
- Osteoarthritis
- Shoulder Dislocation

Workup

- CPK –MB, troponin, ECC
- CBC
- ESR
- XR-shoulder
- CXR
- Stress test

Presentation

- 50 yo M presents with right shoulder pain after falling onto his outstretched hand while skiing. He noticed deformity of his shoulder and had to hold his right arm.

Differential

- **Shoulder dislocation**
- Fracture of the humerus
- Rotator cuff injury

Workup

- XR-shoulder
- XR- arm
- MRI-shoulder

Presentation

- 55 yo M presents with crampy bilateral thigh and calf pain, fatigue, and dark urine. He is on simvastatin and clofibrate for hyperlipidemia.

Differential

- Rhabdomyolysis due to simvastatin or clofibrate
- Polymyositis
- Inclusion body myositis
- Thyroid disease

Workup

- CBC
- CPK
- Aldolase
- UA
- Urine myoglobin
- TSH

Presentation

- 45 yo F presents with low back pain that started after she cleaned her house. The pain does not radiate, and there is no sensory deficit or weakness in her legs. Paraspinal muscle tenderness and spasm are also noted.

Differential

- **Lumbar muscle strain**
- Disk herniation
- Abdominal aortic aneurysm
- Vertebral compression fracture

Workup

- XR-L-spine

Presentation

- 45 yo F present with low back pain that radiates to the lateral aspect of her left foot. Straight leg raising is positive. The patient is unable to tiptoe.

Differential

- **Disk herniation**
- Lumbar muscle strain
- Tumor in the vertebral canal

Workup

- XR-L-spine
- MRI-L-spine

Presentation

- 45 yo presents with pain in the lower back and legs during prolonged standing and walking. The pain is relieved by sitting and leaning forward (e.g. pushing a grocery cart).

Differential

- **Lumbar spinal stenosis**
- Lumbar muscle strain
- Tumor in the vertebral canal
- Peripheral vascular disease

Workup

- XR-L-spine
- MRI-L-spine (preferred)
- CT-L-spine
- Ankle-brachial index

Presentation

- 20-day-old M presents with fever, decreased breast-feeding, and lethargy. He was born at 36 weeks as a result of premature rupture of membranes.

Differential

- **Neonatal sepsis**
- Meningitis
- Pneumonia
- UTI

Workup

- Physical exam
- CBC, electrolytes
- UA
- Urine culture
- Blood culture
- CXR
- LP

Presentation

- 3 yo M with a two-day history of fever and pulling on his right ear. He is otherwise healthy, and his immunizations are up to date. His older sister recently a day care center.

Differential

- **Acute otitis media**
- URI
- Meningitis
- UTI

Workup

- Physical exam (including pneumonia otoscopy)
- CBC
- UA