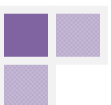


SPONDYLOARTHROPATHIES

1. ankylosing spondylitis, psoriatic arthritis, Reiter's syndrome, and enteropathic arthropathy
2. seronegative, affects bind, asymmetrical, (+)HLA-B27, inflamed tendons/fascia, rarely peripheral jts.
3. Males 15 to 30 years old plus 20% of AS siblings
4. spine, peripheral joints
5. inflammation → pannus → fibrous ankylosis → bony ankylosis
6. inflammation of ligament → granulation tissue → calcification of ligament and granulations
7. SI & Spine (+ hip, heels, shoulders)
8. transient bouts of stiffness and/or pain of SI joint plus decreased chest expansion
9. severe at night pain relieved by movement, spinal fusion, kyphotic posture, enthesopathy, wasting quads
10. local ligament/tendon disruption with reactive bone at connections
11. ↑ ESR, Alk phosphatase (normal), Seronegative RF, HLA-B27 (+)
12. bamboo spine, dagger sign, trolley tracks, normal
13. under 15 years, abnormal SI in X-ray, RF (-), HLA-B27 (+)
14. hands, wrists, cervical spine
15. Reiter's syndrome
16. 10%, 20-40 years old
17. Abnormal kerationcyte production (doubles every 3 days vs. 21 days)
18. Elbows, knees, and scalp
19. Same as RA & AS (pannus, anyklosis)
20. Psoriasis, SI/extremity joint pain/swelling, finger & toe nail changes (pitting, most will showing pitting)
21. No :: yes (more flares, more arthritis)
22. Like RA & AS, sausage digits, more extremity involvement than AS, TMJ, and atlantoaxial instability
23. ↑ ESR, Alk phosphatase (normal), Seronegative RF, HLA-B27 (+)
24. Tissue swelling, normal bone density, uniform jt space loss, mouse ears, pencil cup, spinal ankylosis
25. Females nine to 12 years old
26. hip involvement, sausage digits, skin and nail changes
27. arthritis, conjunctivitis, urethritis
28. young men 20 to 30 years old
29. 1-4 weeks, STD exposure, shingella dysentery
30. Palms, soles, and oral mucosa :: Superficial ulcers
31. knees, ankles, Achilles, SI
32. 33%
33. ESR (↑), HLA-B27 (+), RF (-)
34. Identical to PA (eroded heel ends, thick paravertebral ossification, fuzzy SI joint spaces)
35. Rest, corticosteroids, antibiotics
36. Ulcerative colitis, Crohn's Disease
37. Migratory & transient peripheral monoarthritis :: 6 weeks
38. Diarrhea, gut symptoms
39. Milk
40. Identical to AS (has especially prevalent bamboo sign)

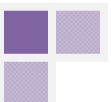


CRYSTAL DEPOSITION JOINT DISEASES

41. Gout
42. uric acid
43. uric acid
44. more males
45. secondary (alcoholism, multiple myeloma)
46. accumulation of uric acid crystals, appear as a cheesy-chalky substance leaking from ears, fingers, etc..
47. attacks of acute mono arthritis, varying lengths, chronic tophi
48. it's a mono arthritic attack commonly of the great toe
49. 1-2, inflammation
50. extremities get cooler thus crystals precipitate
51. within one week
52. pannas production, destruction (similar to RA), renal impairment, and tophis
53. physical, emotional, alcohol abuse
54. NSAIDS, Allopurinol (Colchicine), or corticosteroids
55. pseudogout :: gout, RA, NA, and *DJD*
56. 30 years, 60 years :: chronic worsening joint pain, decreased ROM, crepitus
57. knee, wrist, hand :: cartilage, synovium, tendons, ligaments
58. Chondrocalcinosis (calcified crystals in jt spaces)
59. NSAIDs, & general inflammation control

SYSTEMIC JOINT CONDITIONS

60. great mimicker :: presents like many other infections and diseases
61. bull's-eye rash, fatigue, headache, neck stiffness, fever, swollen glands, conjunctivitis, jaw discomfort
62. heart, nervous, and joint complications
63. joint pain and swelling that is migratory and transient
64. cartilage or bone damage :: 1+ months
65. dizziness, weakness, irregular heartbeat
66. intermittent headache, difficult concentration/sleep/coordination, irritability, depression, paresthesia
67. antibiotics
68. multi-system autoimmune :: skin, joints, kidneys
69. Black females 18 to 40
70. genetic, painkillers or antibiotics, exposure to UV light
71. immune complexes and fibrinoid materials :: small arteries and arterioles :: ischemia/necrosis
72. erythema, butterfly rash of face, sunlight worsens, shiny skin
73. face, neck, elbows, dorsum of the hand
74. glomerular damage → kidney failure, alopecia, acute vasculitis → ulcerations, non-erosive synovitis
75. self-limiting rheumatic disorder :: fever, malaise, anorexia, Wx loss, polyarthralgia, & skin rash
76. spontaneous tendon rupture
77. bilateral and symmetrical :: hands, knees, wrist, shoulder
78. pain and swelling
79. reversible hand subluxations and atlanto-axial instability
80. corticosteroids, adjustments of stable joints

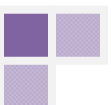


MUSCLE PATHOLOGY

81. fatigue/weakness, atrophy, cramps/spasms, stiffness
82. neuro = Dermatomal mole, motor/sensory loss, EMG, distal unilateral issues
83. degeneration of muscle fibers, regeneration activity, progressive fibrosis, fatty tissue infiltrate, no inflammation
84. Duchenne's muscular dystrophy
85. males with relatives that have Duchenne's muscular dystrophy (DMD)
86. morphologically abnormal muscle :: ↑ Serum creatine kinase :: manifestation of physical problems
87. when muscle destruction has occurred
88. 10 years (wheelchair), 15 years (bedridden), 20 years (death due to respiratory deficiency)
89. pseudo-hypertrophy of muscles (fat deposition in tissues)
90. diffuse lysis of skeletal muscle fibers, not inflammatory with macrophages in/around muscles
91. unknown or cholesterol lowering drugs
92. Sarcoplasmic contents and myoglobinuria
93. acute renal failure, filtering of large particles
94. cholesterol lowering drugs
95. swollen/tender muscles, profound weakness, attacks onset after... flu, exercise, heat stroke, alcohol intoxication
96. dermatomyositis, polymyositis, inclusion body myositis
97. rare, autoimmune, connective tissue diseases
98. females :: 15-40% 5 year death rate
99. complement mediated antibodies attack skeletal muscle vasculature resulting in ischemia of individual fibers
100. skin disruption/ischemia, atrophied muscles, inflammation
101. after 20 years
102. T cells attacking muscle fibers, diffuse/scattered distribution
103. no, no
104. HIV
105. males 50+ yrs
106. T-cell damage, w/ antigen on sarcolemma, granular inclusions in cytoplasm and nuclei of muscles
107. Polymyositis
108. difficult swallowing, ↑ Serum CK, ↑ ESR, difficult activity of proximal muscles
109. mild exercise and corticosteroids (exception for inclusion body myositis)
110. Periodic paralysis
111. Periodic paralysis :: Potassium metabolism
112. less than one hour attacks aggravated by exercise
113. general voluntary muscle weakness, beginning in the young adulthood and improves with age
114. normokalemic
115. normal
116. Muscle surface fails to propagate AP while existing calcium initiates unchecked muscle contraction

MYOSITIS OSSIFICANS

117. Pseudosarcoma (4-6 wks post trauma), Differentiation (2-3 months), Maturation (3 months on...)
118. metaplasia of soft tissue and bone usually of muscles
119. fascia, tendons, joint capsules, fatty tissues, **and muscle**
120. necrosis, degeneration, regeneration, and cellular proliferation of immature structures
121. crush, torn, or blunt trauma



KRS STUDY GUIDES 2007 : Quiz Questions : Dr. Barr : "Infodump"

122. phagocytes, fluid accumulation
123. at the center of the injury
124. 2 weeks :: liquefied, sheets of non-specific cells
125. trauma, massage, stretching, surgery, excessive activity, and ultra sound
126. extensive mesenchymal tissue with minimal cost you avoid that looks like osteosarcoma
127. fibroblasts, chondroblasts, osteoblasts
128. giant cells :: periphery
129. growth develops a separating periosteum
130. 1) remains 2) shrinks/disappears 3) surgically removed
131. Distal
132. Rare :: back muscles and major joints
133. 2 years old to adolescence :: loss of pulmonary function

MUSCLES

134. Muscles are covered in [MusculoPathKRSExam3S.doc](#) ... I did not make this SG.

