Starship

STARSHIP CHILDREN'S HEALTH PRIMARY CARE PATHWAYS

NOTE: The electronic version of these guidelines is the version currently in use. Any printed version cannot be assumed to be current. Please read full disclaimer

GENU VALGUM (KNOCK KNEES)

Knock-knees (genu valgum) identified by GP

History:

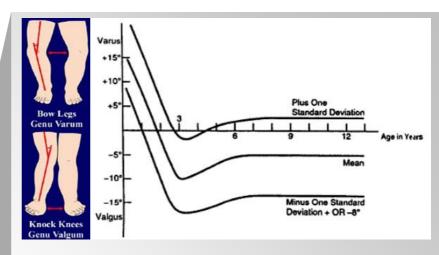
- Age at presentation
- Growth and development
- Associated complaints (limp, pain)
- History of infection, trauma, or fracture to affected limb(s)?
- History of renal disease, late onset
 Vit D deficiency, or chronic
 disease leading to altered gait?
- Family history (short stature, skeletal dysplasia)

Examination:

Author:

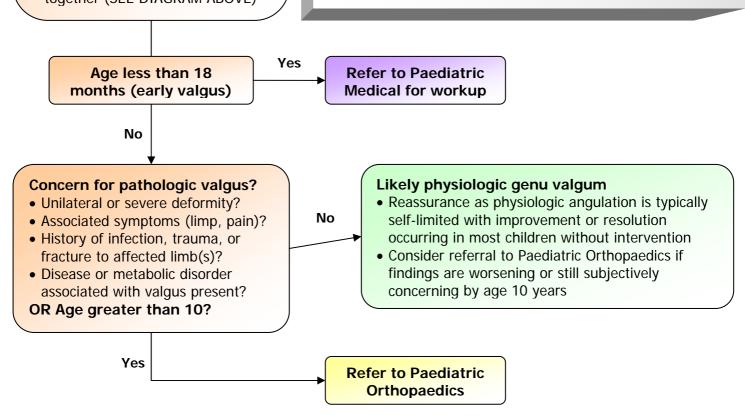
Editor:

- Growth parameters
- Lower extremity exam including rotation profile (excessive femoral anteversion may exaggerate genu valgum)
- Assess intermalleolar distance with patient supine and knees together (SEE DIAGRAM ABOVE)



- At birth, normal alignment is varus
- As the child begins to stand and walk, the amount of varus often increases. Children who walk at an early age may have greater varus alignment.
- Around 18 to 24 months of age, alignment becomes neutral
- After 24 months, alignment should progress to valgus until it reaches a maximum at around age 3-4 years
- After age 4 years, valgus alignment should decrease toward physiologic adult alignment of slight valgus to neutral
- By age 7 years, a child usually has reached his or her adult lower-extremity alignment

 Salenius 1975



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