* “one-third” of patients with moderate hemophilia A and very few with mild hemophilia have ankle arthropathy

43% of 100 adult patients with mild/moderate hemophilia A have chronic musculoskeletal pain.

51% of 35 adult patients with moderate hemophilia A have a positive Pettersson score in the combined radiological evaluation of three joints (ankle, knee and elbow), despite a third of them having received prophylaxis.


Ling M*, Heysen JP, Duncan EM, Rodgers SE, Lloyd JV.
Little is known about the incidence of arthropathy in children with mild/moderate hemophilia.
Hypotheses

* Ankle arthropathy is present in pediatric patients with mild and moderate hemophilia A and B

* Factor level is correlated with presence of ankle arthropathy

* Factor usage history is correlated with presence of ankle arthropathy

* Phenotypic severity is correlated with presence of ankle arthropathy

* Patients with mild and moderate hemophilia with ankle arthropathy experience pain
Methods/Outcomes

* Patients
  * pediatric patients with factor VIII or IX levels of 2-40%

* Evaluation
  * Radiographs of both ankles-Pettersson score
  * MRI both ankles-IPSG MRI score
  * Pain survey-what to use
  * HSS score?
    * Gilbert or INPH score if not using HSS
    * Factor usage history
    * Bleeding history
Statistical Analysis

- REDCap database
- Need power calculation/sample size/statistician
Feedback and Collaboration Welcomed !!