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***RARE PEDIATRIC ARTHRITIS IN A
NUTSHELL, OLD, NEW AND UPCOMING
MEDICINES***

***Dr. Marco Gismondi
Pediatric Residency UNIBA***

Juvenile



Idiopathic

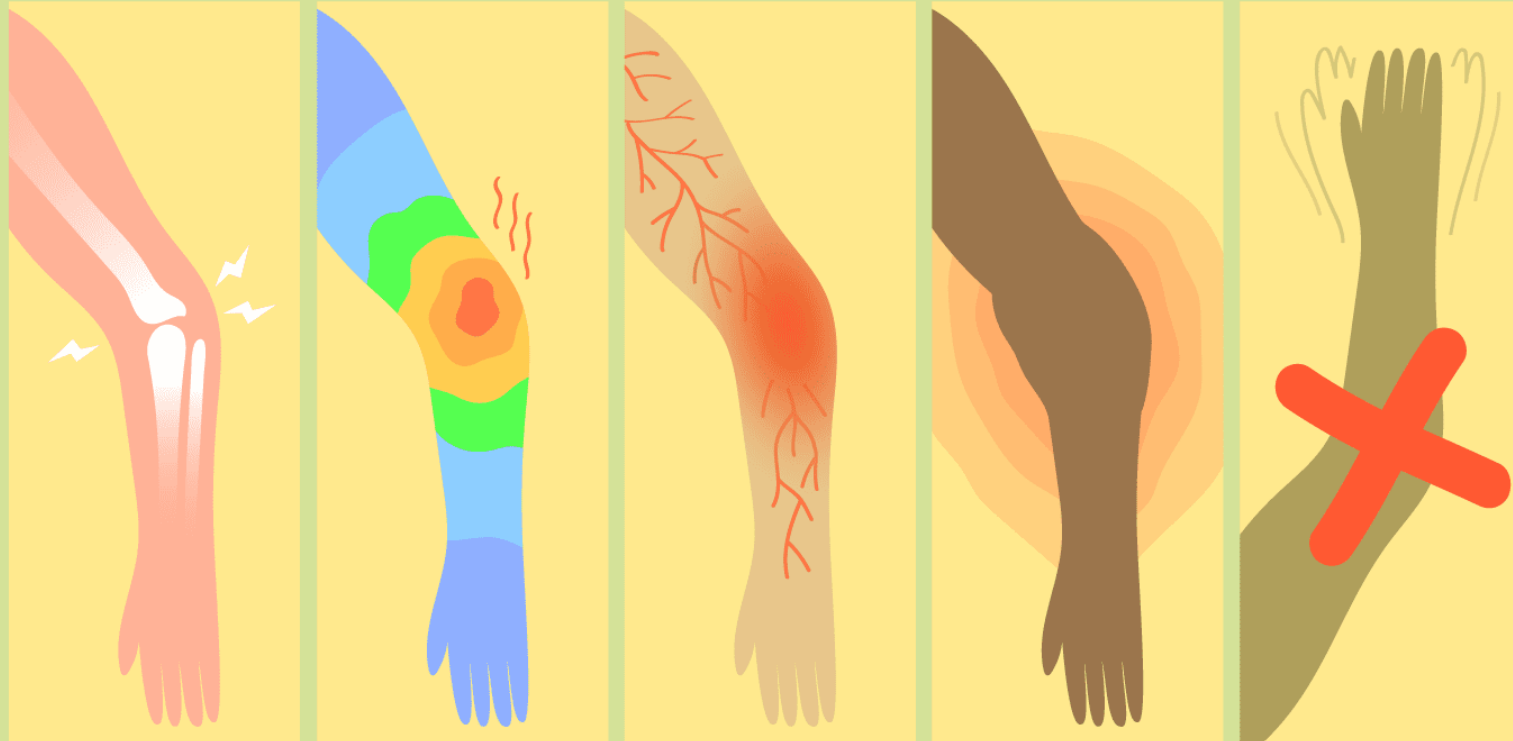


Arthritis

Juvenile Idiopathic Arthritis (JIA): DEFINITION

A chronic autoimmune inflammatory disease that affects the joints

5 Cardinal Signs of Inflammation



Pain

Heat

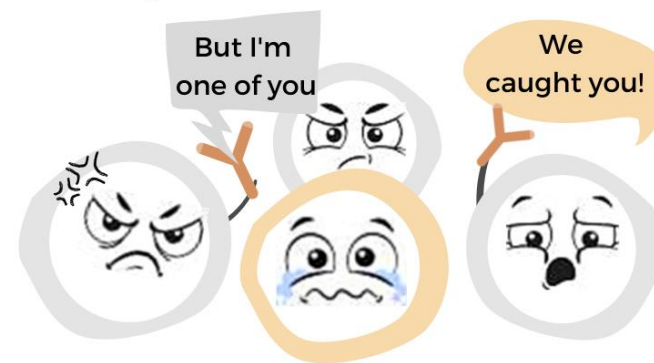
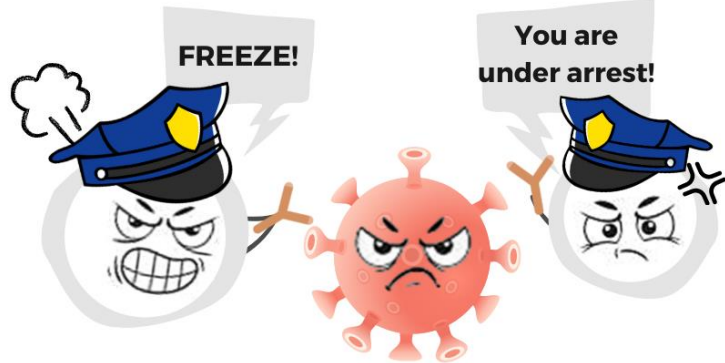
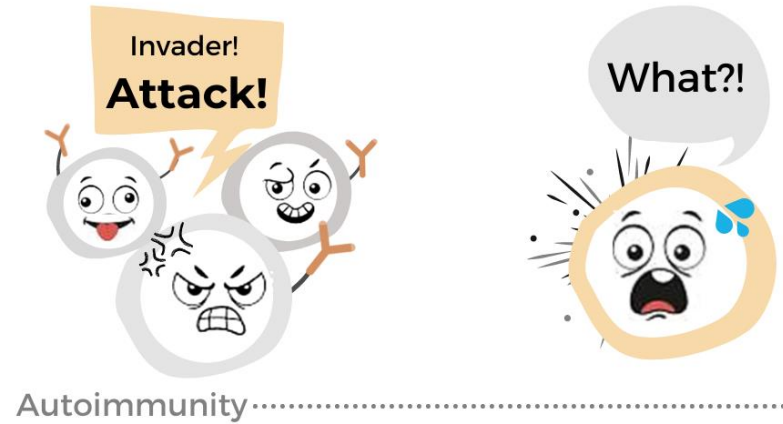
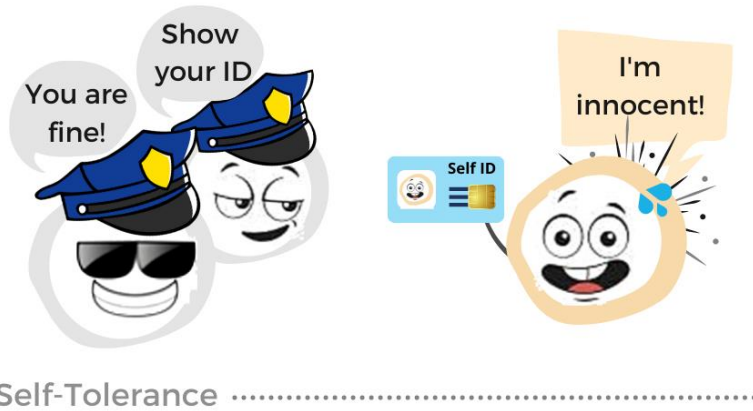
Redness

Swelling

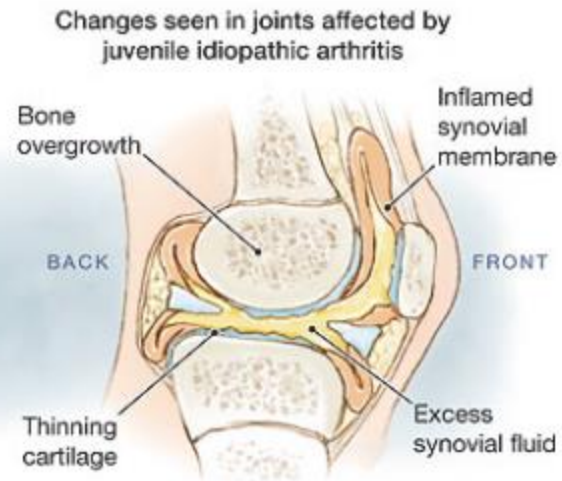
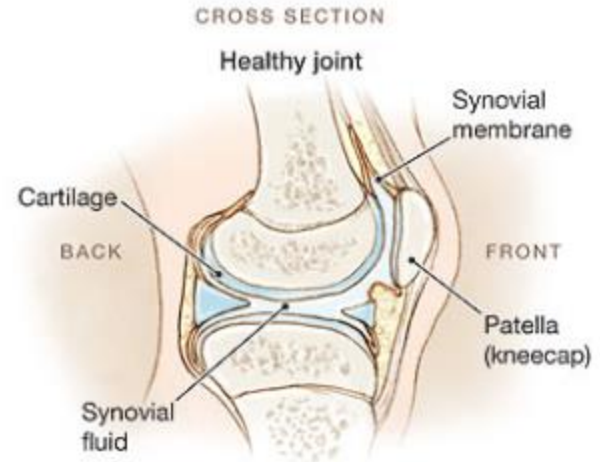
Loss of
Function

Etiopathogenesis: What causes JIA?

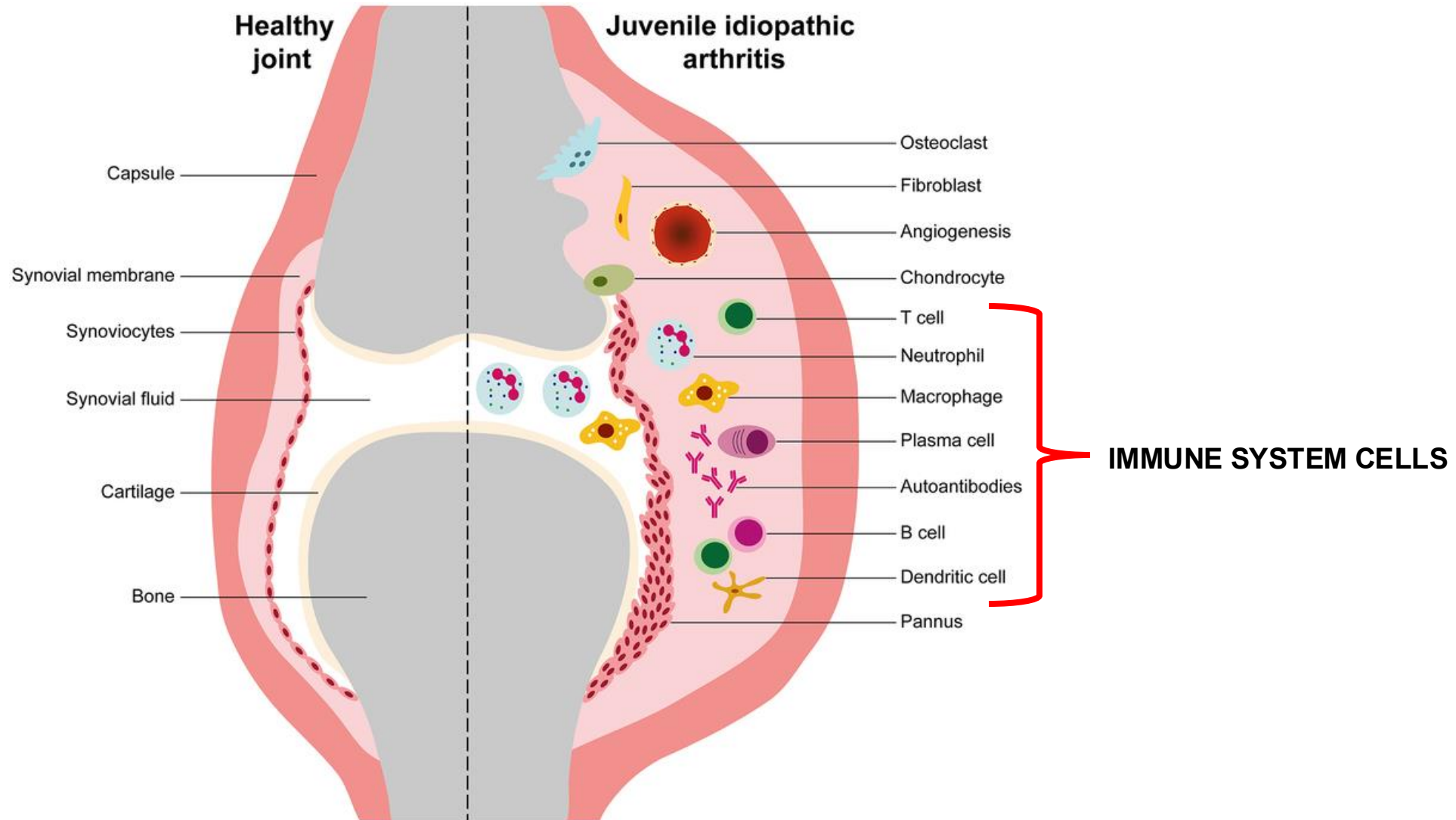
What is autoimmunity?



Etiopathogenesis: What happens in our joints?



Etiopathogenesis: What happens in our joints?



SUBSETS of JIA

Oligoarthritis

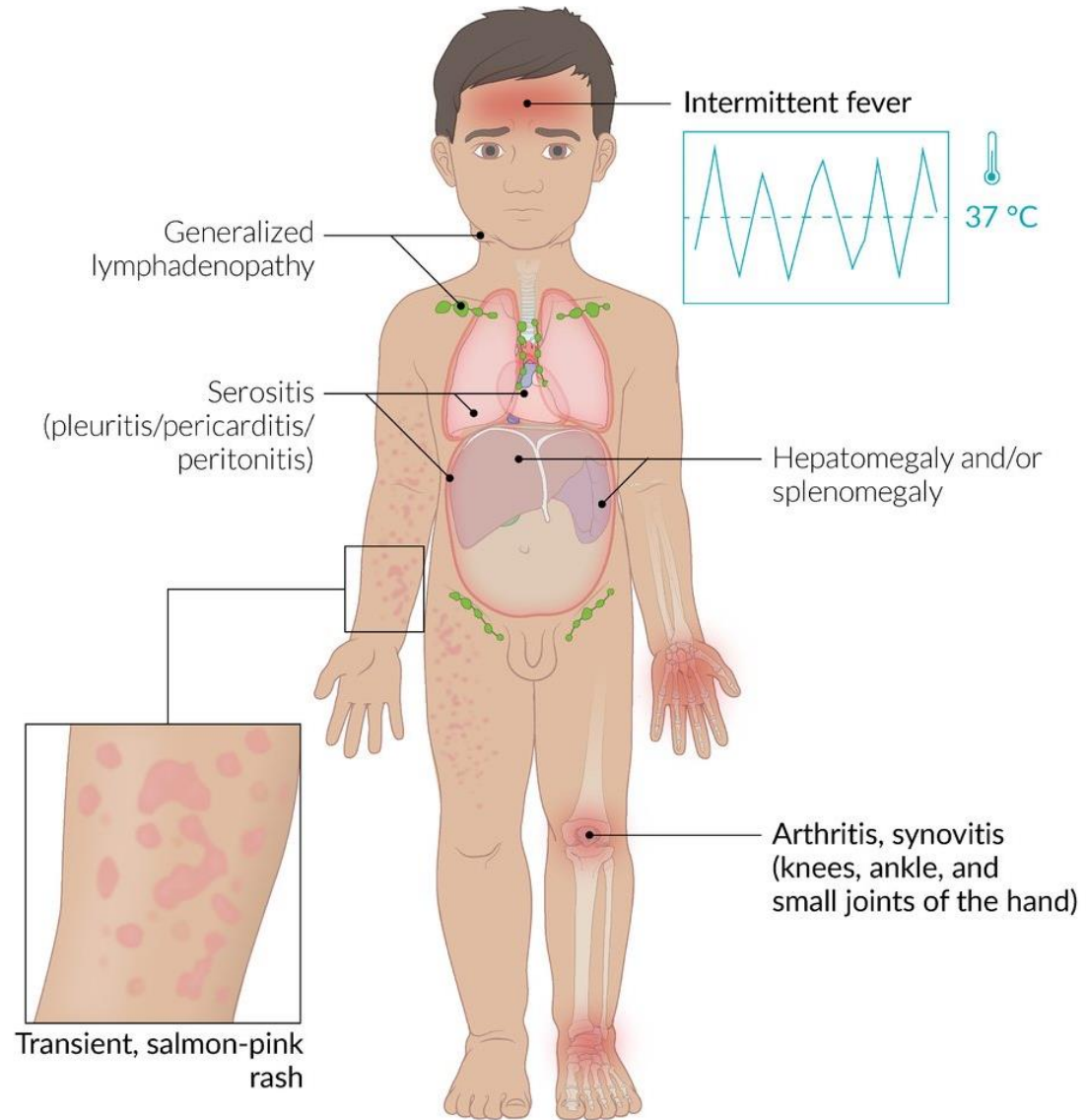
1-4 joints involved

Polyarthritis

More than 4 joints involved
during the first 6 months
of the disease

SUBSETS of JIA

Systemic JIA



Extra-articular manifestations

- Uveitis

- Gastrointestinal involvement

- Slow growth and poor weight



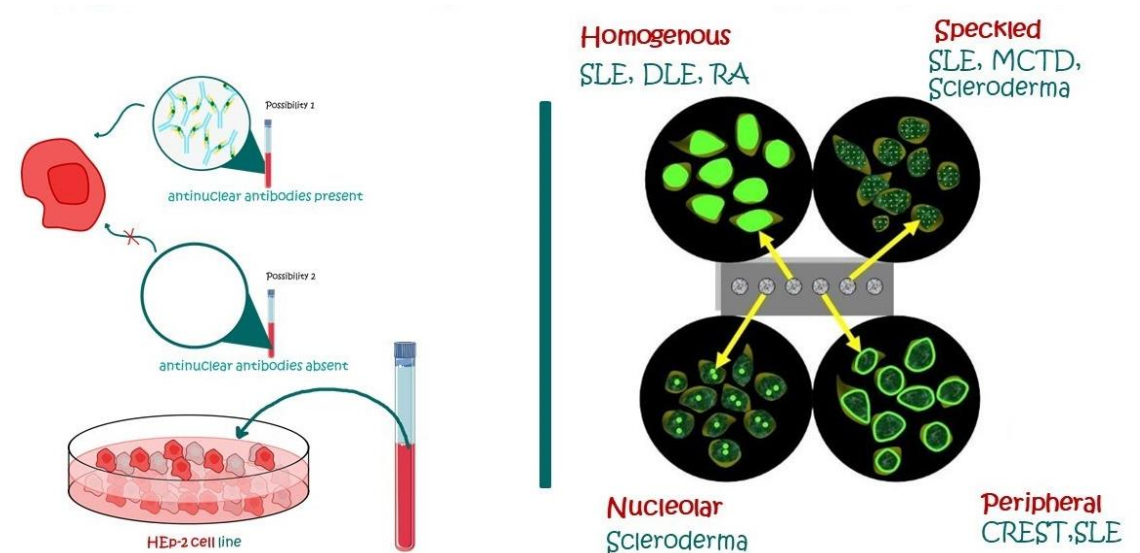
DIAGNOSIS



Clinical examination (physical examination)

Laboratory Blood Test

- Antinuclear Antibodies (ANA)
- Inflammation Tests (ESR, CRP)

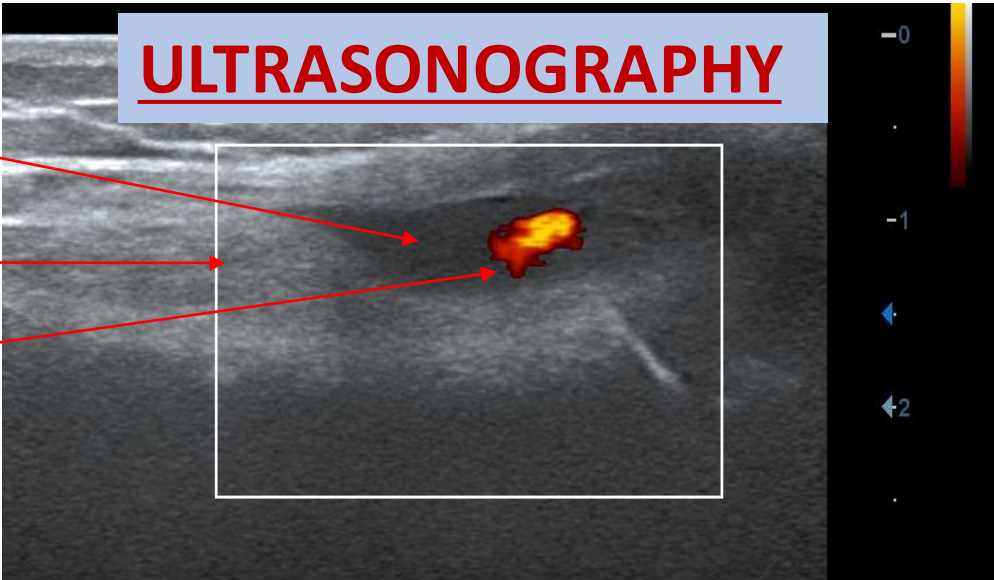


DIAGNOSIS

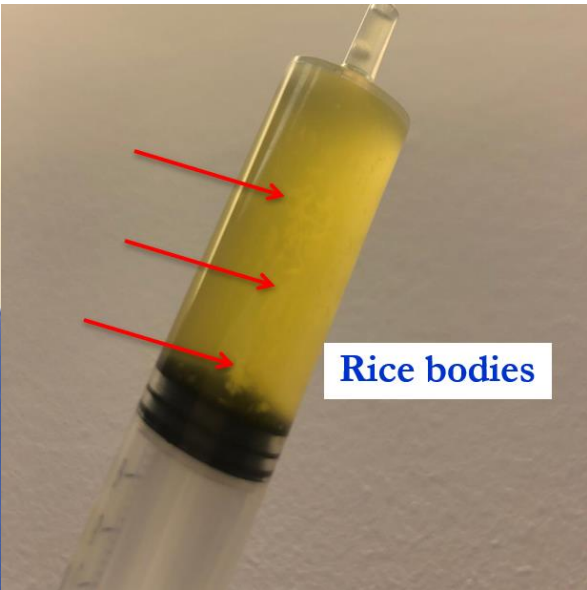
Excess synovial fluid

Inflamed synovial membrane

Acute inflammation



Arthrocentesis
+
Synovial fluid
analysis



TREATMENT

- **Non Steroidal Anti Inflammatory Drugs**
(Ibuprofen, Naproxen, Flurbiprofen)

- **Steroid Joint Injection**



- **Rehabilitation therapy**

TREATMENT

If still persistent or extended:

- Disease modifying antirheumatic drugs
- Biologic drugs = TARGET THERAPY







Remission on medication with DMARD





**Polyarthritis
onset at 8 years**



**Remission with
biologic therapy**



Thanks for your attention



Paediatric Rheumatology of Bari

Giovanni XXIII Paediatric Hospital Bari

