Tropicare 02/06/2025

TropiCare Consortium

INSTITUTE OF TROPICAL MEDICINE ANTWERP

Case presentation:

- 20 years, male
- Originally from Cameroon (Yaoundé), in Belgium since 2019.
- No travel outside Europe since 2019.
- No medical history
- No contact with animals
- Student

May 2024 Hospitalisation for uveitis and eosinophilia

- Uveitis
  - Sarcoidosis: normal calcemie and calciuria, ACE not elevated, sallivary gland biopsy negative and no adenopathy
  - Negative ANCA, HLA B51 and B27
  - Positive toxoplasmosis serology, ophtalmic exam suggestive for toxoplasmosis
  - > Treated with corticosteroids and TMP/SMX

Eosinophilia

- Chronic, already present in 2019
- No chronic or occasional medication
- No skin eruption, no gastro-intestinal symptoms
- ANCA negative
- Thoraco-abdominal scan: normal, no adenopathies
- Infectious work up:
  - Serologies: Fasciola, Schistosoma, Taenia Negative
  - Positive serology for filaria and ascaris
  - Negative blood smear
  - 3x negative stool examination

Consultation March 2025

- No B symptoms, no weight loss.
- No dermatologic symptoms
- No respratory, cardiac or gastro-intestinal symptoms
- No new medication
- No allergic manifestation
- Normal clinical examination

Laboratory findings

- Hyper eosinophilia 2180/µL
- Normal Hb, normal white blood cell count, normal platelet count.
- No abnormalities at flux cytometry
- Normal immunoglobulins and protein electrophoresis
- No inflammatory syndrome
- Normal renal and liver function

Infectious serologies

Ac. anti-Syphilis		Négatif	
Toxocara Ac (Elisa) (st)	<1,00 Ratio	0,03	
Toxocara Ac (Elisa) interpretation (st)	Négatif	Négatif	
Filaire Ac (ELISA) (st)	<1,00 Ratio		**2,42 (H)**
Filaire Ac interpretation (st)	Négatif		**Positif !**
Schistosome Ac (ELISA) (st)	<=1,00 Ratio	0,52	
Schistosome Ac interpretation (ELISA) (st)	Négatif	Négatif	
Schistosome Ac (HAI) (st)	Négatif	Négatif	
Strongyloïdes Ac (Elisa) (st)	<=1,00 Ratio	0,96	
Strongyloïdes Ac interpretation (Elisa) (st)	Négatif	Négatif	
Trichinella Ac (Elisa) (st)	<1,00 Ratio	0,19	
Trichinella Ac Interpretation (Elisa) (st)	Négatif	Négatif	
HBV Ac anti-HBs (ECLIA) (2° génération) °	UI/L	Négatif	
HBV Ac anti-HBc (ECLIA) °		Négatif	
HBV Ag HBs (ECLIA) °		Négatif	
HCV Ac. Totaux (ECLIA) °		Négatif	
HIV 1 & 2 Ac+Ag (ECLIA)		Négatif	

+ negative blood smear

Other investigations

- Ophtalmologic examnination:
  - Persisting moderat inflammation xithout any sign of an active disease.
  - No sign of Onchocerca

Summary

- 20 year old male patient originating from Cameroon
- Chronic asymptomatic eosinophilia at least 1 year
- Positive Ascaris Ab and Filaria Ab
- No sign of onchocercosis