

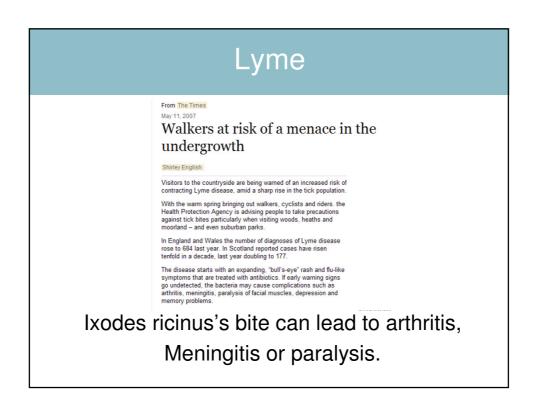




Lyme

1975 – Lyme, Connecticut

Cluster of cases of arthritis resembling juvenile arthritis. Children had joint pains and found to have a peculiar rash.



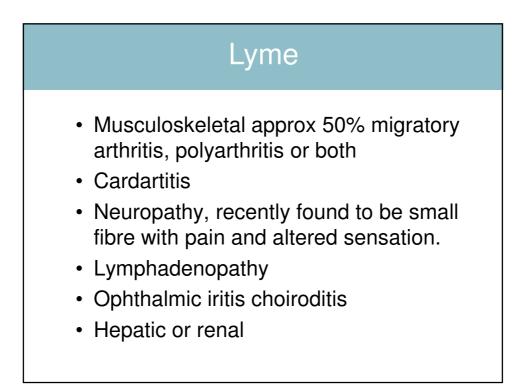


Early 1 - 4 weeks

- 1. Erythema migrans
- 2. Headache
- 3. Myalgia, arthritis
- 4. Enlarged glands







Lyme

Late

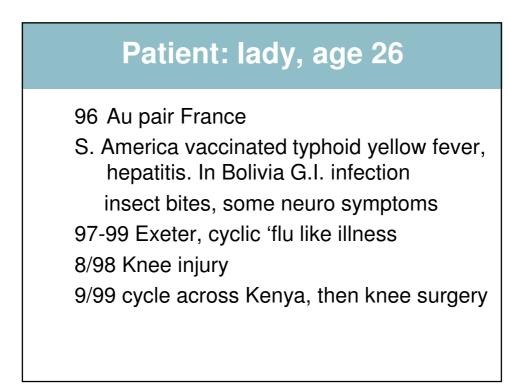
Musculoskeletal migratory or chronic monoarticular arthritis Neurologic Cutaneous



- Arthralgia, arthritis acute oli/pauciarthritis
- Myalga PMR, MYOSITIS
- Fibromyalgia, chronic widespread pain with tender points
- CFS/Myalgic Encephalomyelitis an infectious disease involving cardiac and neurological strustures

Lyme Arthritis

Maybe only system Large effusion inflammatory recurrent Can last 8 years Fibromyalgia Tenosynovitis Enthesitis Periarticular pain Test-joint fluid for PCR borrelia.



Patient: lady, age 26

9/00 Back pact Australia, S. America, scuba diving incident, left at sea.
Work for B.A.
11/01 unwell 'flu-like fatigue
04/02 Worse
07/03 Spoke to Dr A. Wright Serological test negative

Patient: lady, age 26

12/03 R doxycline

08/04 Hotel receptionist

12/04 Housebound

02/05Dr.A.W. - amoxycillin+metronidiazole

11/05 Treat coinfections

02/06 Increase in energy

04/06 Visit Dr. Burrascano levaquin etc.

Patient: lady, age 26

11/06 in Dubai
01/07 Dr. Horowitz-Plaqenil Florinef
IV glutathione
02/07 Minocycline
05/07 Breakspear-low dose immunotherapy support.



Ann Rheum Dis 2005

Am. Pen v Plac study 40 pts-55% resolved Outcome may depend on Bb species.

Ceftriaxone v plac. 60pts 48%/10% improved.

Study 16 pts refractory to antibiotics Ceft.Pr No response for 3/12 6 pts synovectomy 2-4 year history before spont resolution