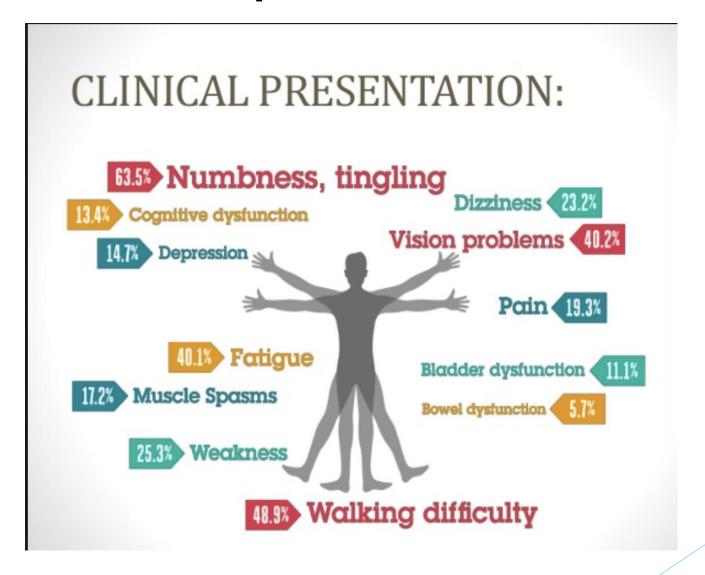
Efficacy of alemtuzumab treatment in active relapsing remitting multiple sclerosis: A study of real world evidence

Mentor: Dr. Ofir Zmira

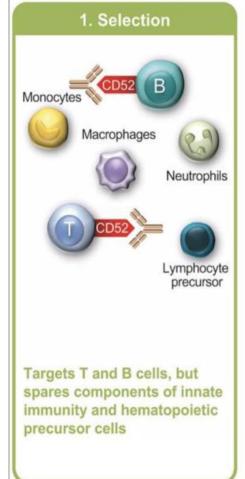
Student: Alex Halpern

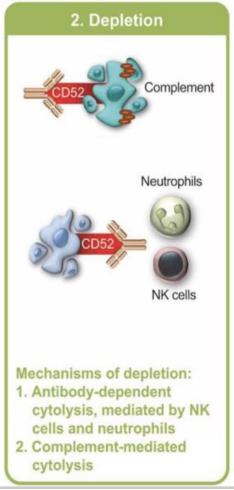
Multiple Sclerosis

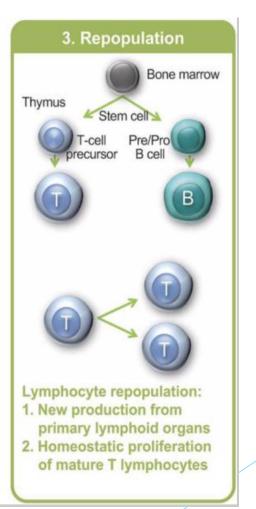


Alemtuzumab

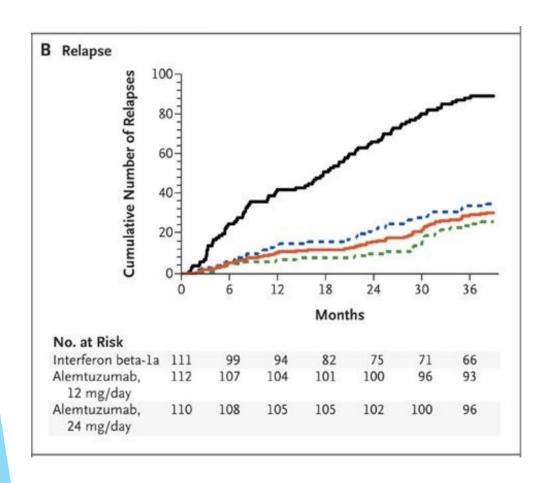
Monoclonal Anti CD-52 antibody

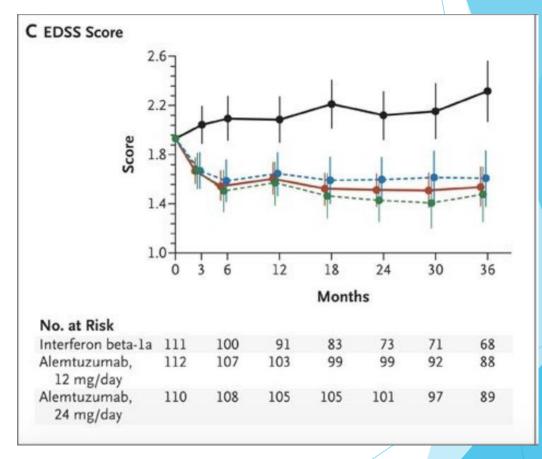






Previous Studies

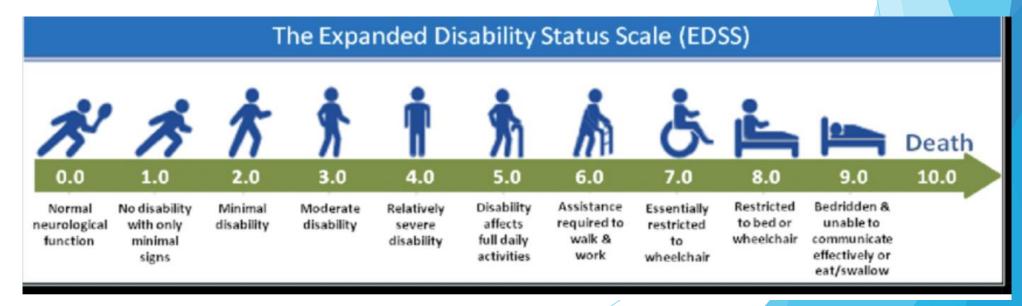




Citation: N Engl J Med 2008; 359:1786-1801

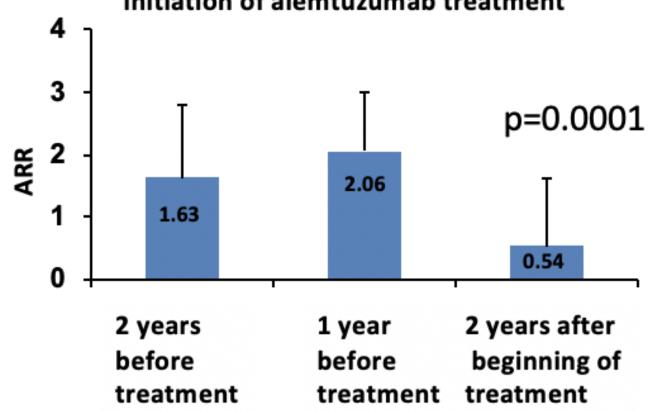
Study Design

- Prospective cohort of 35 ARRMS patients
- Variables followed:
- ▶ 1. EDSS
- ▶ 2. Relapse rate
- ▶ 3. Number and volume of MRI lesions



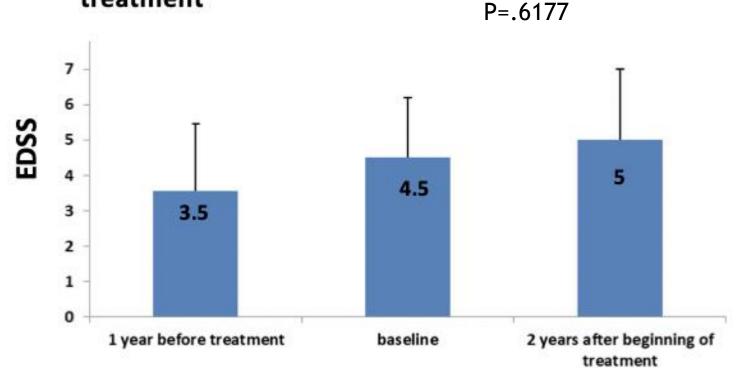
Results

Mean annualized relapse rate before and after initiation of alemtuzumab treatment



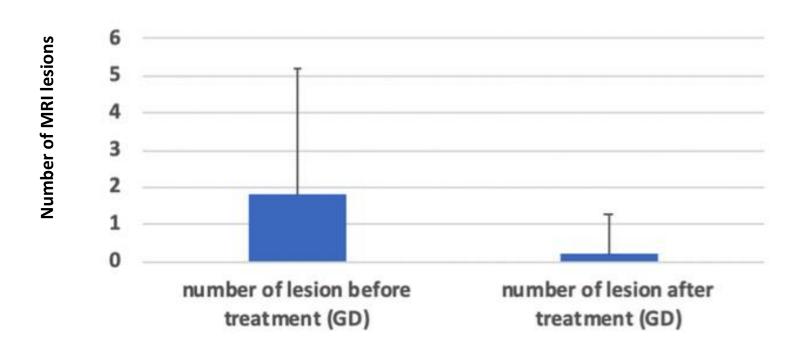
Results

Neurological disability by the EDSS score 2 years before and after initiation of alemtuzumab treatment



Results

Number of MRI lesions (Gadolinium)



Questions?