The background features a gradient from dark purple at the top to dark blue at the bottom. On the left side, there is a large, semi-circular scale with tick marks and numbers ranging from 150 to 260. Several circular patterns, including solid and dashed lines with arrows, are scattered across the background, suggesting a technical or scientific theme.

DIAGNOSIS AND TREATMENT: PSYCHIATRIC PERSPECTIVE

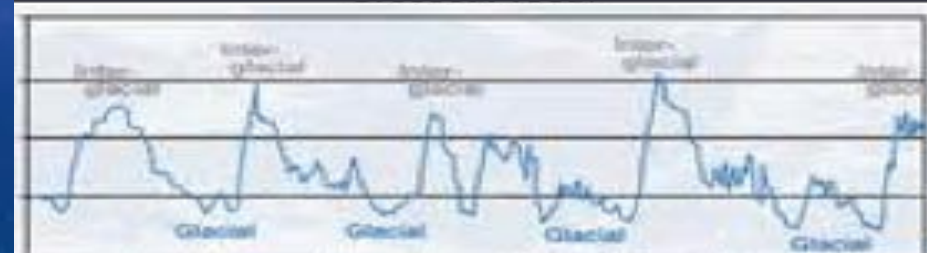
MARGO THIENEMANN MD
STANFORD PANS PROGRAM

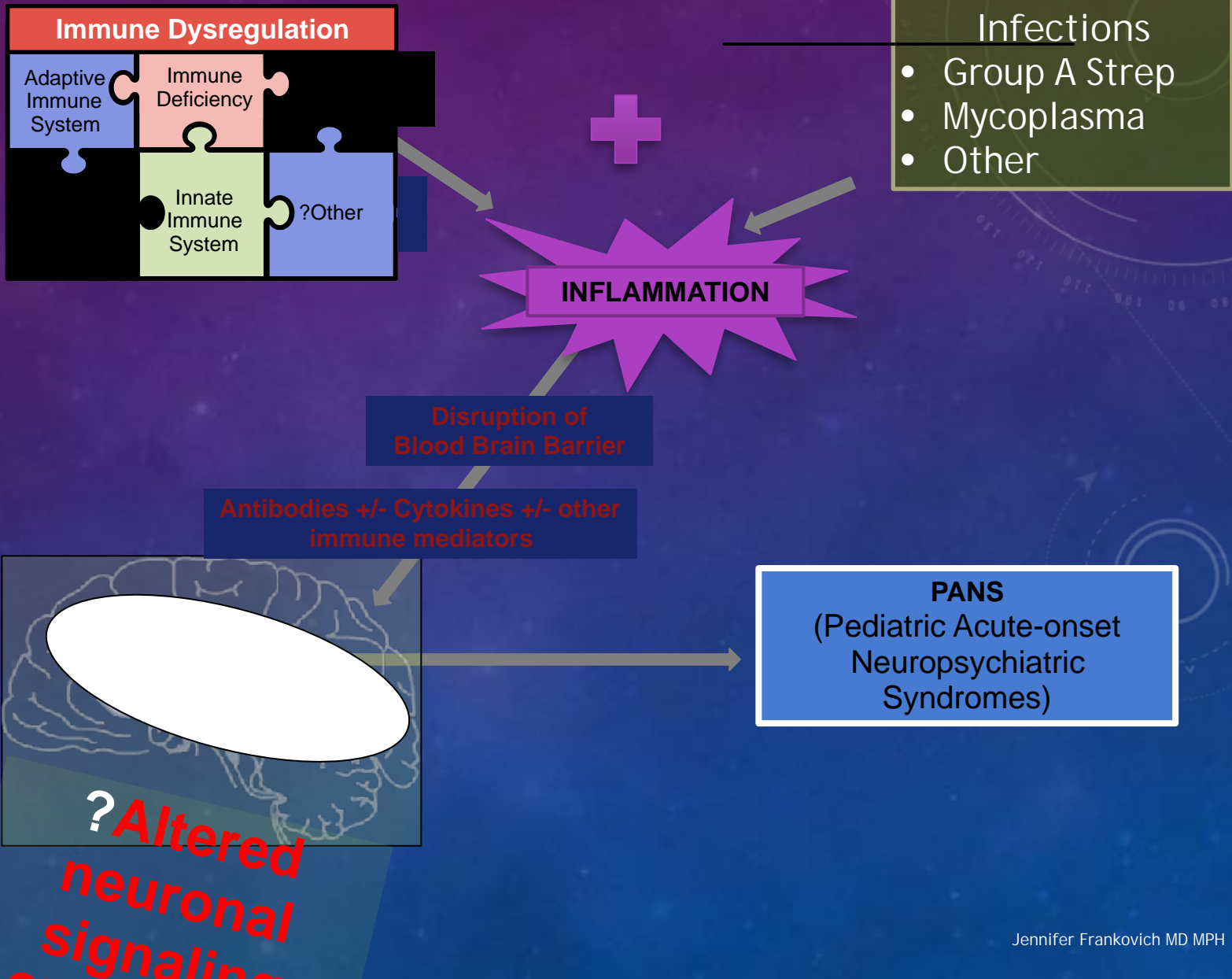
SIGNS: PANS

IT MIGHT BE



- Sudden onset
- Multiple symptom domains
- Severe symptoms
- Relapsing-remitting course

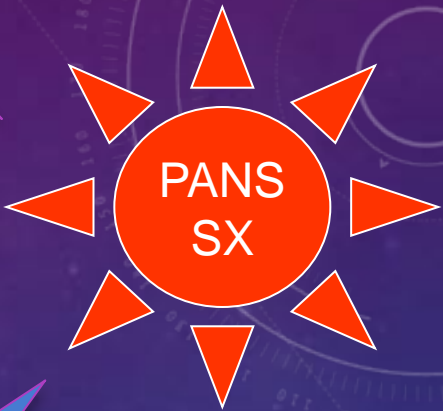




PANS TREATMENT

Infection, Inflammation, Predisposition

Psychotropics



Safety
Case management
Psychoeducation
Support
CBT, DBT, HRT...

Fall out

Antibiotics
Immune Modulation
Specialty Consultation

School accommodations
Rehab
OT
PT



THE PSYCHIATRIST'S ROLE

- FUNCTION:
 - Educate families
 - Ensure safety
 - Facilitate child receiving medical treatments
 - Inform treatment team re sx
 - Address symptoms
 - Help coordinate care

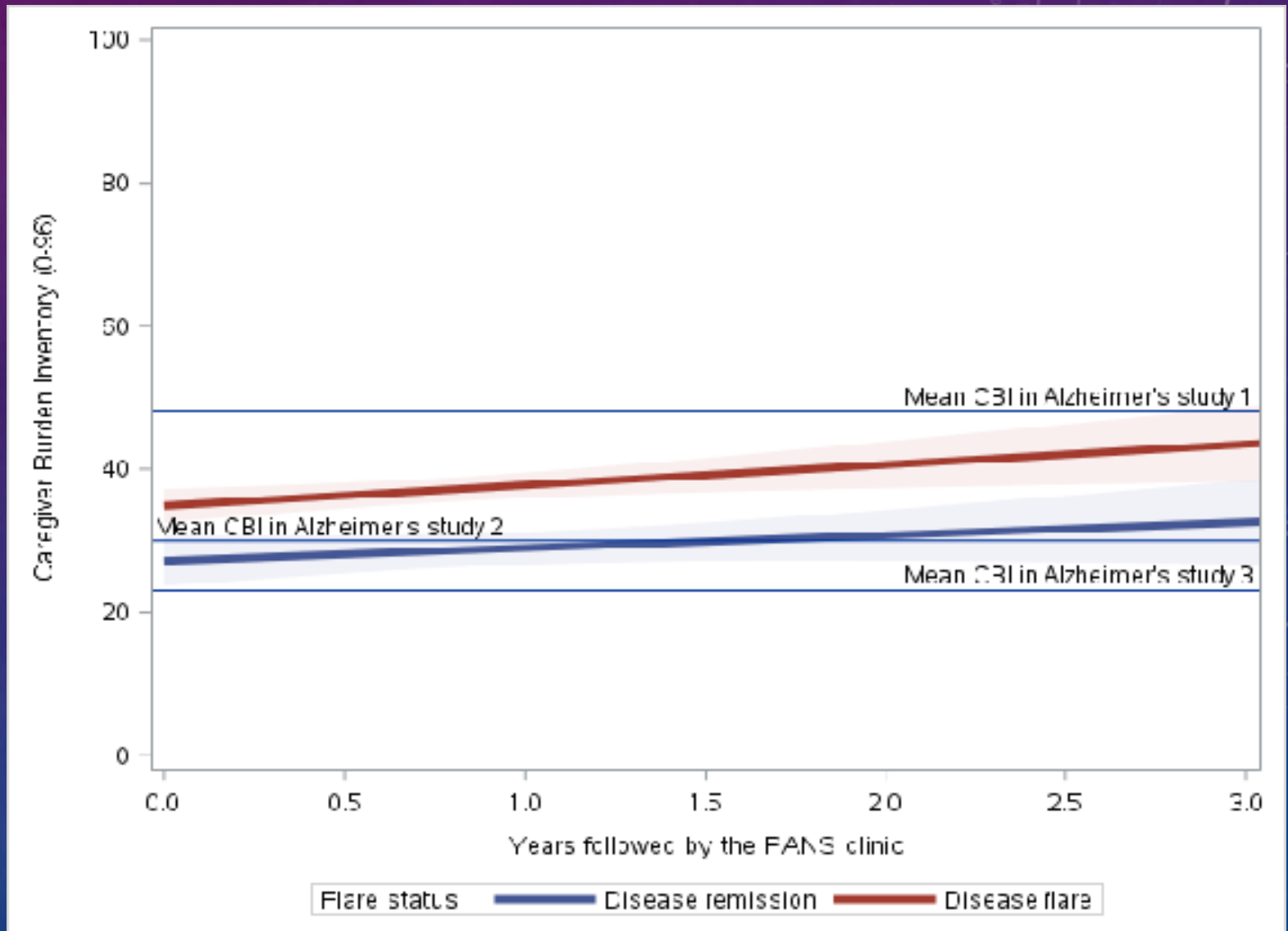
PSYCHIATRIC AND BEHAVIORAL INTERVENTIONS

- Require individualization
- Many variables change at once
- Psychotropic medication responses are atypical
- Require adjustment over illness course
- Require multidisciplinary approach
- Derive from evidence-based treatments

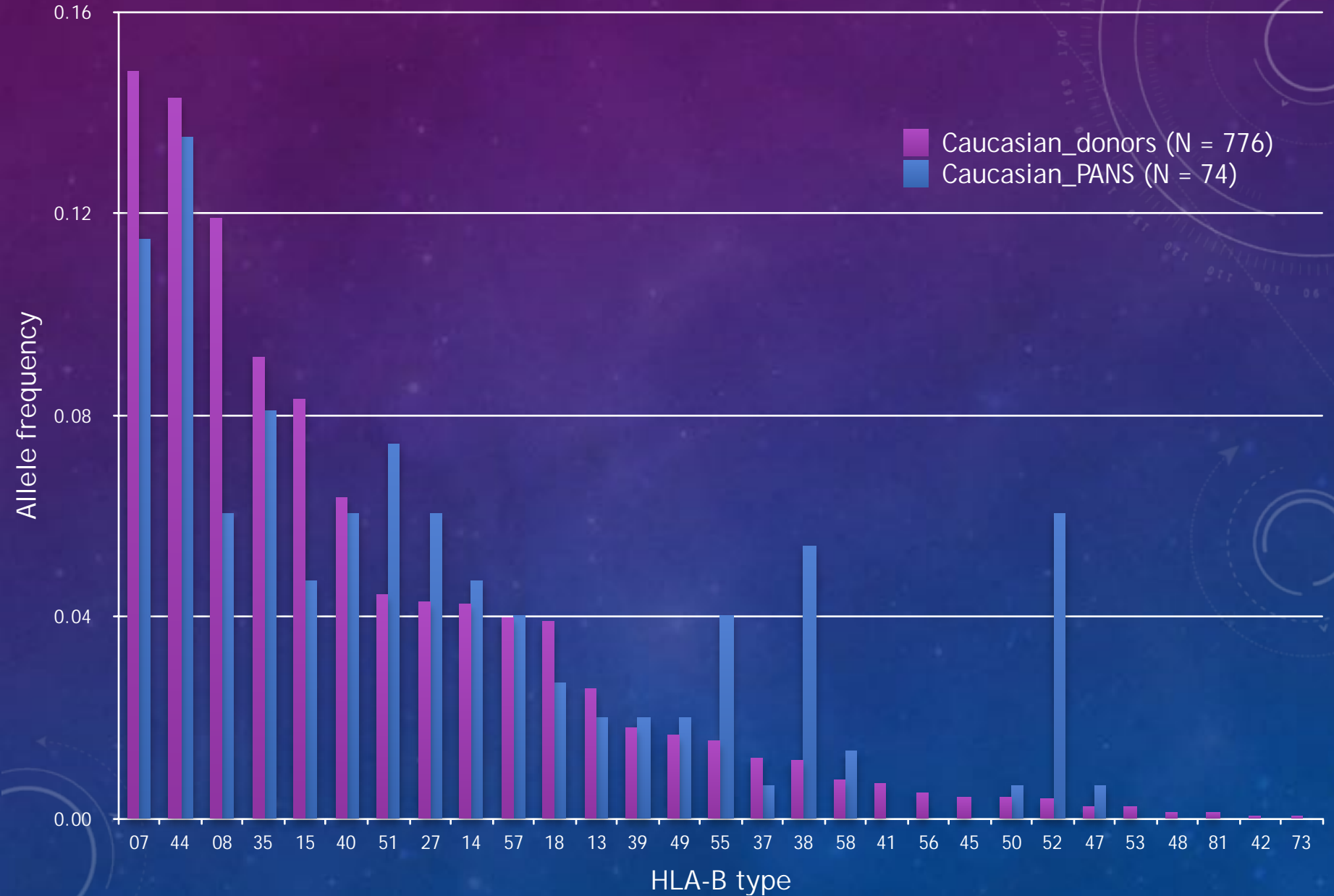
STANFORD PANS PROGRAM FINDINGS AND WORKS IN PROGRESS

- Immunology
 - HLA
 - Monocytes
 - GAS toxin causing TH17 skew
 - Vasculitis markers
-
- Treatment Responses
 - NSAIDs
 - IVIG
 - Corticosteroids
 - Rituximab/Mycophenylate/
Methotrexate
 - Immune deficiencies
 - Sinus infections
- Symptoms
 - Hallucinations
 - Pain, fatigue, exercise intolerance
 - Caregiver Burden
 - Caregiver Skills Group
 - Cognitive changes

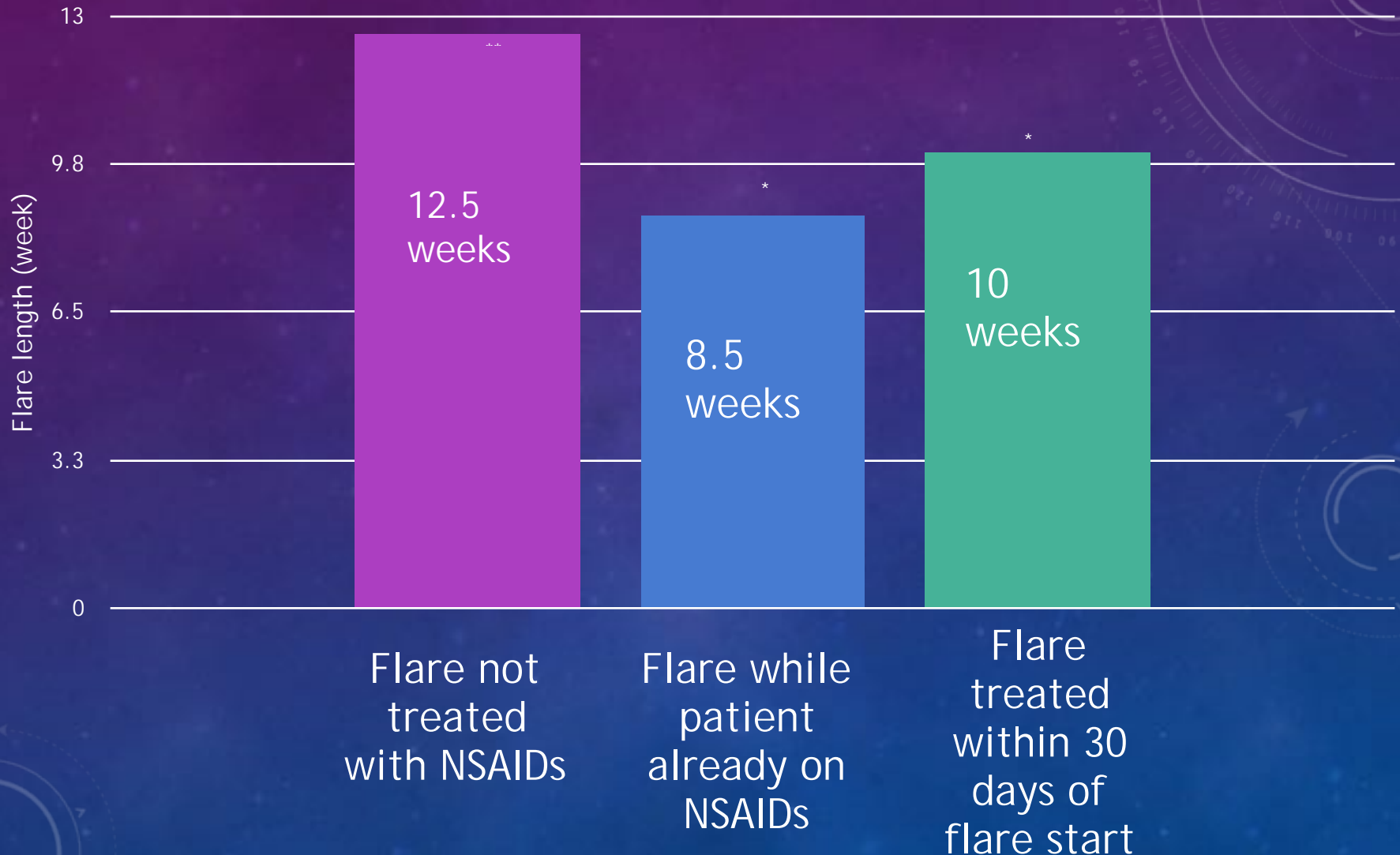
CAREGIVER BURDEN LIKE ALZHEIMERS' FAMILIES



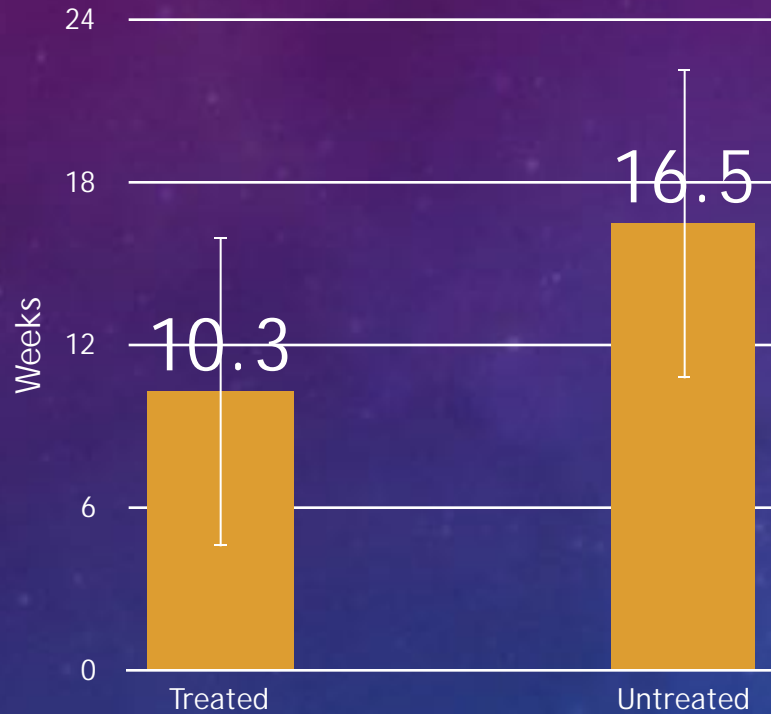
HLA-B frequencies in caucasian controls and caucasian PANS cases



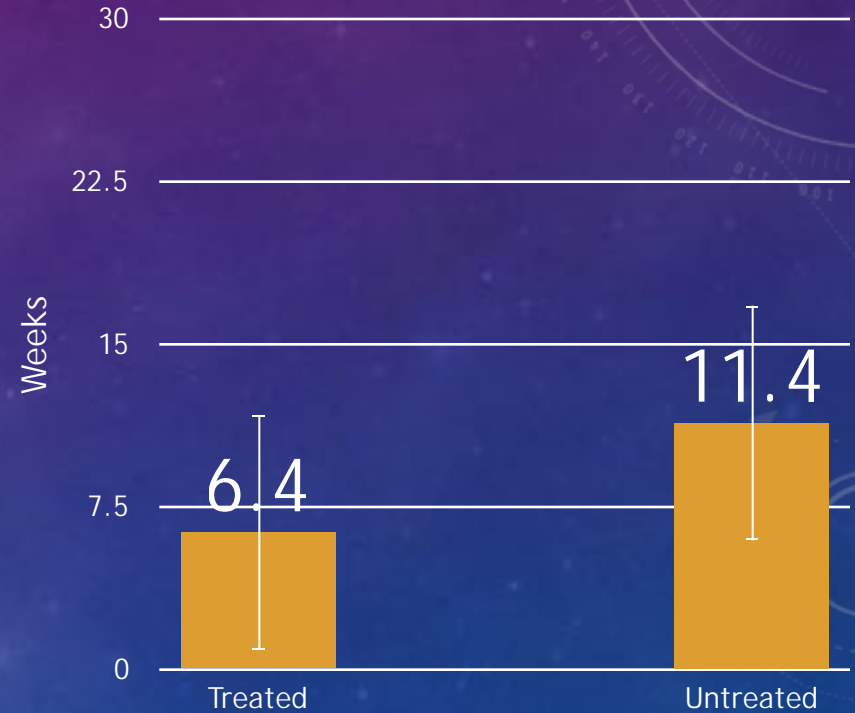
Effect of early and prophylactic NSAIDs on flare duration



EFFECT OF CORTICOSTEROIDS ON WEEKS IN FLARE



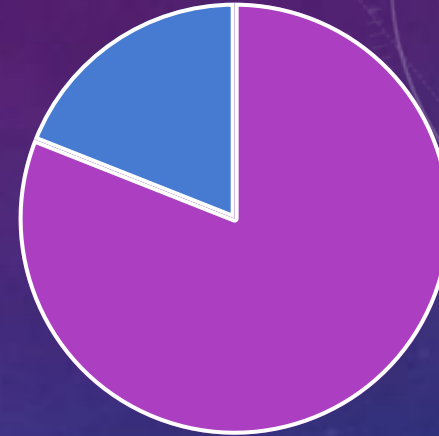
Single episode of PANS or relapsing/remitting PANS



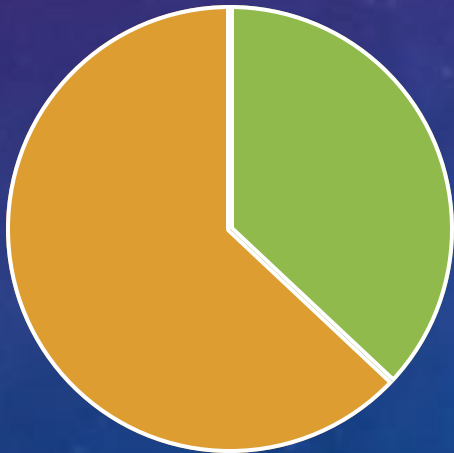
Duration of the initial presentation (i.e., first PANS flare) of PANS

SYMPTOM PREVALENCE FINDINGS

PAIN, FATIGUE OR EXERCISE INTOLERANCE:
81%



SENSORY
DISTURBANCE/
HALLUCINATIONS 37%



HALLUCINATIONS
n= 153

