#### **Autoimmune**

- Food allergies
- Mast Cell diseases
- Sjogren's Syndrome

## **Ophthalmology**

Retina detachment

## **Fatigue**

- ME/CFS 38%
- Exercise intolerance
- Postexercise malaise (PEM)

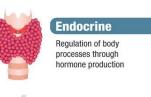
#### Gastrointestinal

- Abdominal: pain (< half)</li>
- Celiac disease (5-16%)
- Constipation
- · Crohn's disease
- Dysmotility
- Dysphagia
- Eosinophilic esophagitis
- Functional dyspepsia
- Gastrointestinal reflux disease
- Gastroparesis
- Hiatal hernia
- Irritable bowel syndrome
- Pelvic floor disorders
- Pelvic organ prolapse
- Nausea

## **Dermatologic**

- Rashes
- · Poor wound healing

# Many Conditions Associated With hEDS/HSD





#### Respiratory

Gas exchange between the internal and external environment



#### **Digestive**

Physical and chemical breakdown of food to allow absorption of nutrients



#### Reproductive

Production of reproductive cells that will generate offspring



#### **Integumentary**

Protection against the external environment and regulation of temperature



#### Muscular

Voluntary and involuntary movement



## Neurological

- Migraine headache
- Tension-type headache
- Dystonia

**Nervous** 

Processing center for sensory

input, using the input to elicit

appropriate responses

Cardiovascular

which transports gases

Circulation of blood

Lymphatic

balance and helps

Urinary

Filtration of

body

blood and excretion

of wastes from the

Skeleta

of many internal

Support and protection

Circulation of lymph,

which maintains fluid

- Decreased school performance
- Brain fog/cognitive difficulties
- Low mood
- Difficulty concentrating
- Memory problems
- Somatization
- Neurogenic bladder
- Atlanto-axial instability
- · Chiari malformation
- Craniocervical instability
- CSF disorders (shunts)

# Gynecologic / Men's Health

- · Pelvic pain
- · Dysmenorrhea
- Urinary stress and/or urge incontinence
- Neurogenic bladder

#### Musculoskeletal

- Temporomandibular joint disorders
- Compression disorders
- Osteopenia/osteoporosis
- Osteoarthritis
- Fibromyalgia-40%
- Pain 100%

#### Cardiovascular

POTS: Postural

## Orthostatic

## Tachycardia

- Mitrovalve prolapse
- Aortic root dilation
- Dysautonomia

## Hematological

- Thrombocytopenia
- Thromboembolism
- Mastocytosis
- Mast Cell Activation Syndrome

## **Psychiatric**

- Anxiety
- Depression
- Insomnia
- Eating disorders

### Neurodivergence

- Autism
- ADHD
- Tic disorder

## Otolaryngology

 Swallowing disorder