BASED ON PRESENTATION BY DR. KATEY HOFFMAN

# MPS 2 101 QUICK GUIDE

PROJECT ALIVE

# What is Hunter syndrome?

A rare genetic disorder caused by a missing enzyme, leading to build up of GAGs in the body. It affects the brain, organs, bones, and joints is progressive over time.

## Types of MPS 2

Neuronopathic: Impacts brain, developmental delays, behavioral changes

Non-neuronopathic: Primarily physical symptoms, cognition often preserve

## Early Signs

Frequent ear infections

Delayed speech

Enlarged abdomen

Joint stiffness

## Developmental Impact

Slowed or plateaued development

Possible regression

Communication challenges

Behavioral challenges

## Treatment and Care

Enzyme Replacement Therapy (ERT)

Multidisciplinary care

Therapies (OT/PT/Speech)

# Emerging Research

Gene therapy, brain targeted treatments, and new delivery methods are actively being developed to improve outcomes.

# Implications for Schools and Providers

Needs change over time. Behavior is often linked to neurological changes, communication barriers, and sensory needs. Flexible, individualized supports are essential.

# Key Takeaways

- [ ] MPS 2 is progressive and variable
- [ ] Early intervention matters
- [ ] Treatment improves quality of life
- [ ] Lifelong, coordinated care is essential