



Massachusetts General Hospital
Founding Member, Mass General Brigham

Launching a Multidisciplinary Clinic

At Massachusetts General Hospital

July 2025

Overview

- Who We Are
- Recognizing the Need
- Benefits of Multidisciplinary Clinics
- Our Experience at Mass General
- The Vision
- Progress
- Next Steps



Who We Are



Mandy Nagy, MD
Pediatric Neurogeneticist
Mass General Brigham



Leah Wibecan, MD
Pediatric Neurologist
Mass General Brigham



Jayme Betts
Parent of Sophia, age 6
Co-Founder of Standing
Tall for Sotos Initiative



Kim Little
Parent of Ellyn, age 34
Co-Founder of Standing
Tall for Sotos Initiative



Clinic Faculty



Mandy Nagy, MD

Dr. Nagy received her medical degree from Case Western Reserve University and trained at MGH as a resident in Pediatric Neurology followed by a fellowship in Neurogenetics and Gene Therapy before joining the Mass General/Harvard Medical School faculty.

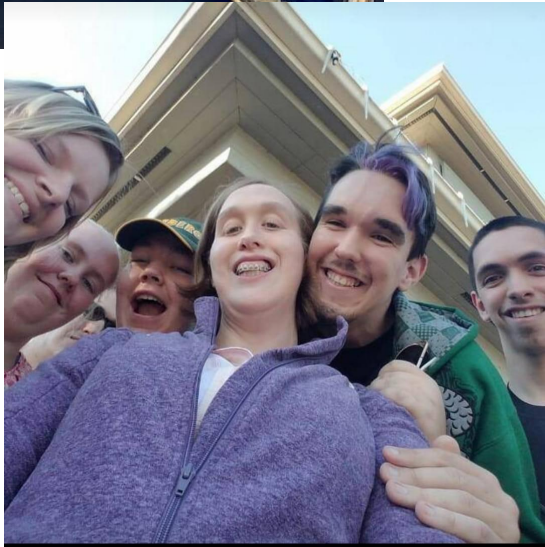
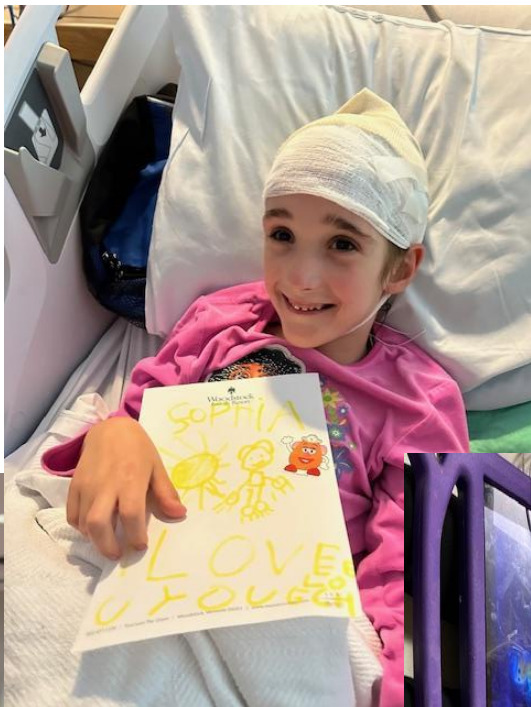


Leah Wibecan, MD

Dr. Wibecan is a pediatric neurologist at Mass General specializing in epilepsy and autism. She received her medical degree from Harvard Medical School, and completed her Pediatric Neurology residency and epilepsy fellowship at Mass General. She has an interest in strengthening care for underserved communities and in global health.

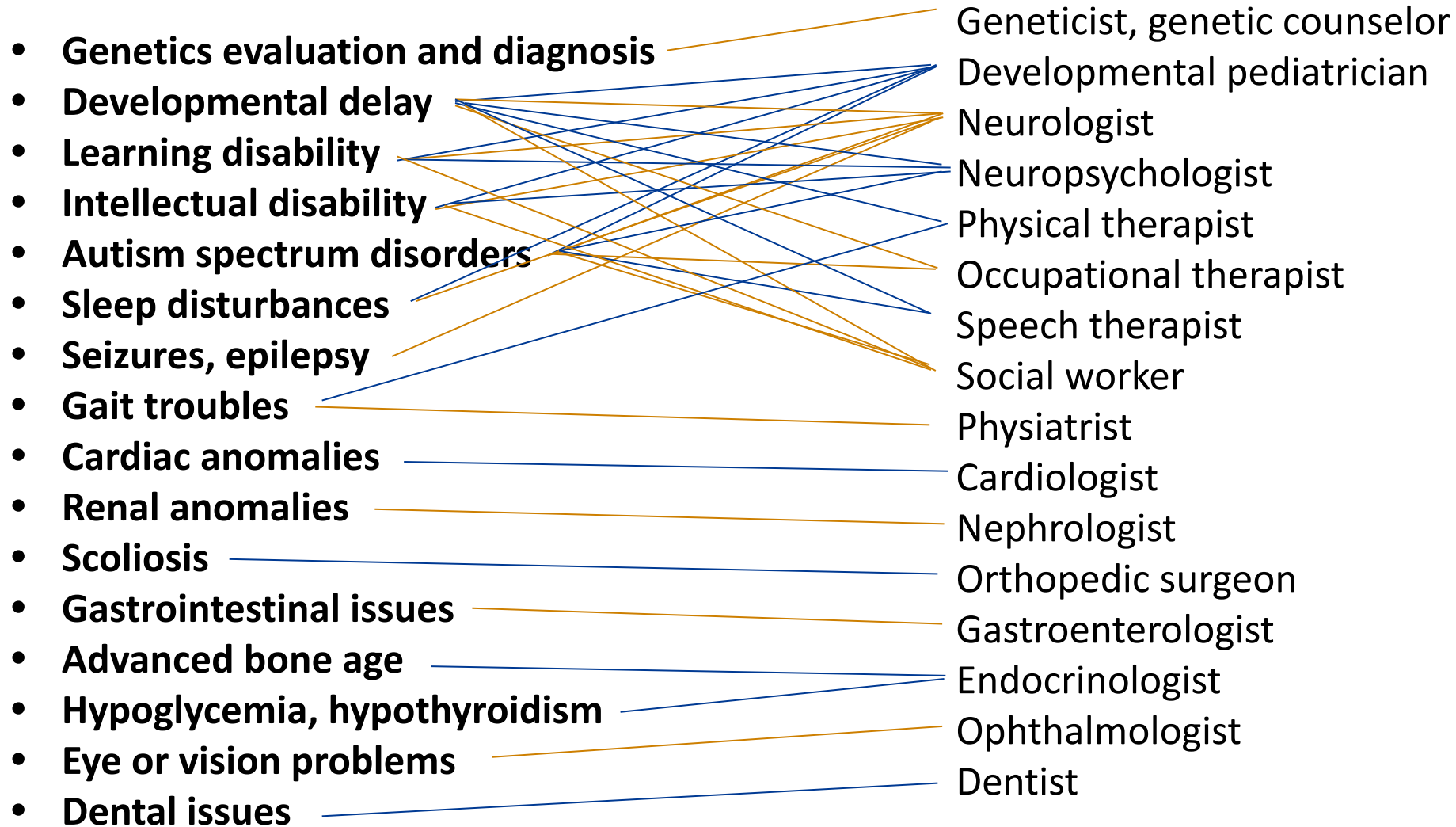


Recognizing the Need

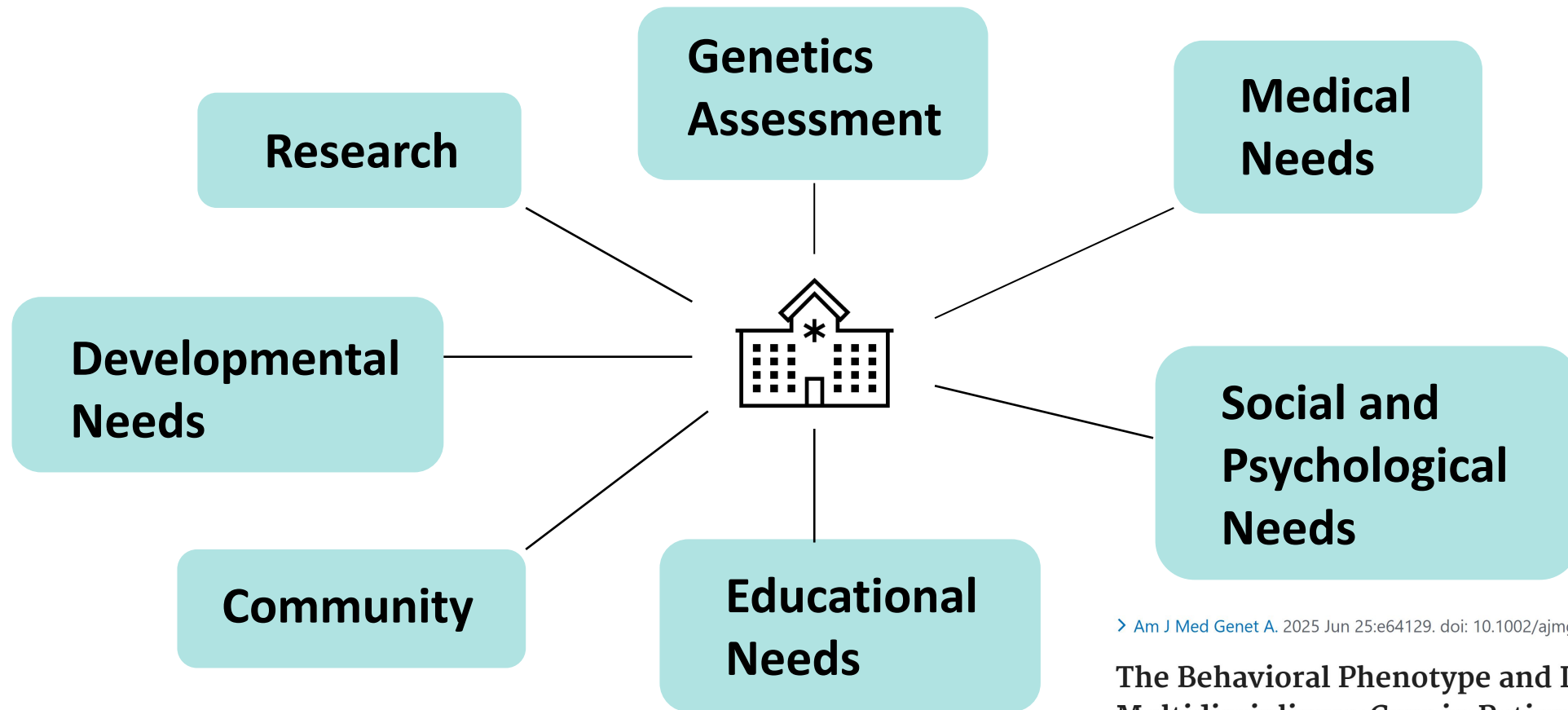


Complex Care Needs in Sotos Syndrome

It takes a team...



Multidisciplinary Specialty Clinics in Genetic Syndromes



➤ [Am J Med Genet A. 2025 Jun 25:e64129. doi: 10.1002/ajmg.a.64129. Online ahead of print.](#)

The Behavioral Phenotype and Importance of Multidisciplinary Care in Patients With Sotos Syndrome: A Single-Center Experience

Aravind Viswanathan¹, Andrew M George¹, Evan R Hathaway¹, Carlyn Glatts²,
Jennifer M Kalish^{1 3 4}



Multidisciplinary Clinics for Genetic Syndromes

- **Tuberous Sclerosis Complex (TSC)**

- Genetic disorder that causes benign tumors and other abnormalities in many organ systems
- Research has shown that a multidisciplinary approach helped with:
 - Diagnosis of complex and rare multisystemic complications
 - Transition from child to adult care
 - Ensuring adherence to up-to-date best practices

- Three-step roadmap to organizing care:

1. Begin organizing care
2. Establish a core team
3. Coordinate multidisciplinary team
 - Neurologist
 - Neurosurgeon
 - Nephrologist
 - Urologist
 - Pulmonologist
 - Ophthalmologist
 - Cardiologist
 - Dermatologist
 - Geneticist
 - Psychiatrist/psychologist
 - Case manager for care coordination



Multidisciplinary Clinics for Genetic Syndromes

- **Key components in a TSC multidisciplinary clinic**
 - Patient care coordinator
 - List of associated health professionals
 - Organized care pathway
 - Following accepted TSC guidelines
 - Network of local or regional providers beyond the clinic
 - Patient database for research and case management
 - Plan for transition from pediatric to adult care
 - Link to family TSC organizations

Herscot Center for Tuberous Sclerosis

The Carol and James Herscot Center for Tuberous Sclerosis Complex raises awareness and provides education for people living with Tuberous Sclerosis Complex, their families, providers and others.

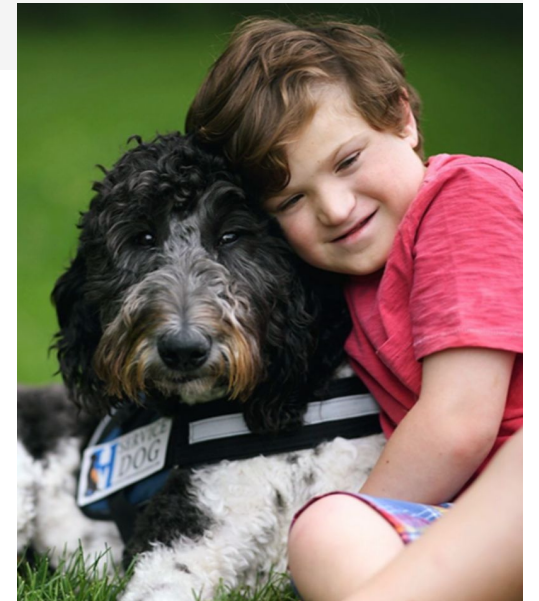


Multidisciplinary Clinics for Genetic Syndromes

- Genetic short-stature syndrome affecting cardiovascular system, lungs, musculoskeletal system, and development
- Multidisciplinary clinic followed 47 patients, identified clinical features and developed care and monitoring recommendations across all body systems
- “Medical home” with multiple specialists is able to support local providers and follow natural history over the lifespan

Myhre Syndrome Clinic

Welcome to the Myhre Syndrome Clinic at Massachusetts General Hospital. Our clinic provides state-of-the-art care by a multidisciplinary team of providers for people of all ages and their families who live with Myhre syndrome.



Multidisciplinary Clinics for Genetic Syndromes

SYNGAP RESEARCH FUND

Collaboration. Transparency. Urgency.



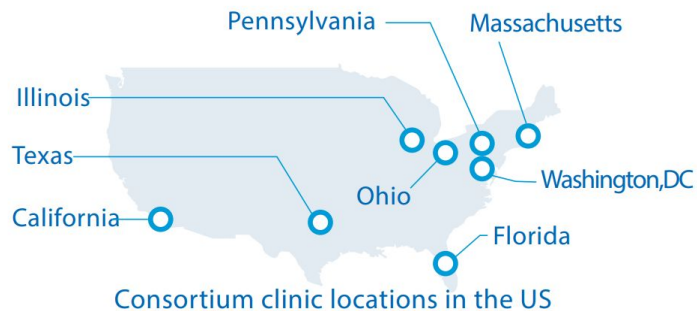
**Multidisciplinary
Neurogenetic Clinic**

**CHILDREN'S HOSPITAL
COLORADO**



PRISMS Clinic
and Research
Consortium

Smith-Magenis Syndrome Consortium Clinics



Neurofibromatosis Clinic

Massachusetts General Hospital
Founding Member, Mass General Brigham



Building the Team at Mass General

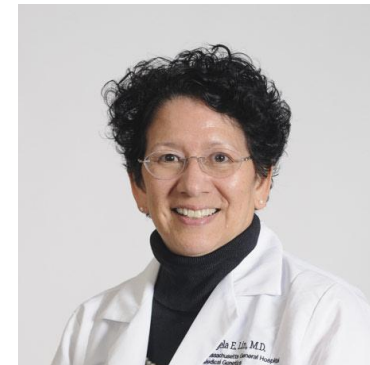
- For the past 20 years, Dr. Angela E. Lin has cared for people of all ages with Sotos syndrome
- Involvement in the Sotos Syndrome support group community in New England and nationally
- Investigation into the causes of Sotos syndrome and publication of the findings
- Collaboration with physicians and researchers nationally
- Reviewing the neuroradiological findings in Sotos syndrome
- Launched and operates two other successful dedicated clinics at Mass General, for Myhre and Turner Syndromes
- Established core team for Sotos Syndrome Clinic, with Dr. Wibecan (pediatric neurology) and Dr. Nagy (neurogenetics)

*** Dr. Lin's Publications:**

The Neuroimaging Findings in Sotos Syndrome" (American Journal of Medical Genetics, 1997)

"Exclusion of Growth Factor Gene Mutations as a Common Cause of Sotos Syndrome" (American Journal of Medical Genetics, 2001)

"Adults With Sotos Syndrome: Review of 21 Adults With Molecularly Confirmed NSD1 Alterations, Including a Detailed Case Report of the Oldest Person" (American Journal of Medical Genetics, 2011)



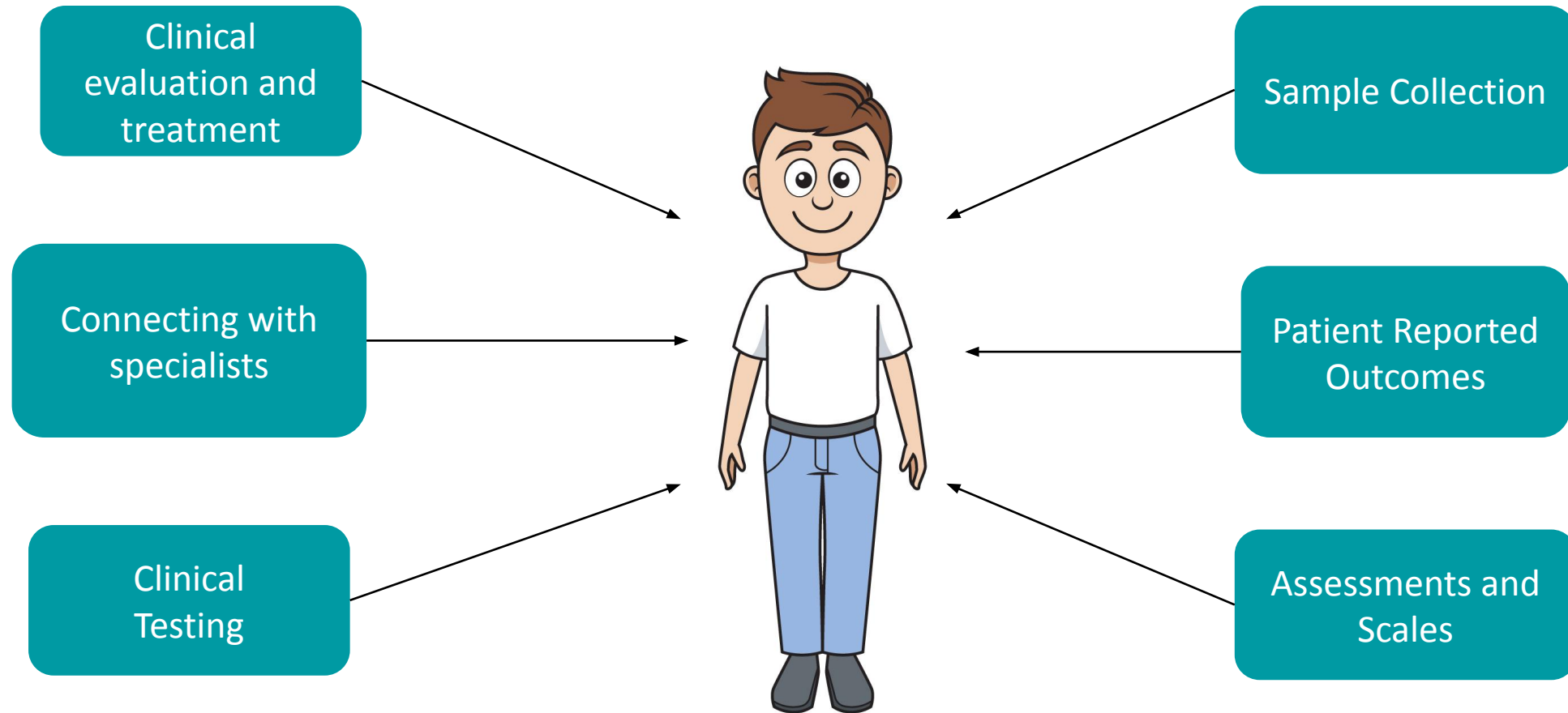
Angela Lin, MD

Geneticist

Mass General



Integrating Clinical Care and Research



Benefits of a Patient Database

Data Patterns: A comprehensive database helps identify common symptoms and early signs.

Understanding Treatment

Efficacy: With patient data, we can analyze how different patients respond to treatments.

Longitudinal Data: Track disease progression over time, uncovering new insights into the disorder.

Biomarkers: Standardized sample collection allows for the discovery of biomarkers

Clinical Trials: Facilitates trial implementation and enrollment

Collaboration: Facilitates cooperation across research institutions, enhancing the quality of studies.

Patient Advocacy: A well-documented patient base strengthens advocacy efforts and raises awareness about the disorder.



The Vision

- Centralized care for patients
- Access to a wide range of specialists working together to evaluate and treat
 - *Clinicians, Social Worker, Nurse, Clinic Coordinators, Clinical Research Coordinator*
- Simplify the complexities Sotos families face after diagnosis
 - *Creating a care guide resource for newly diagnosed families*
- Familiarity with navigating and coordinating the educational and psychosocial needs of Sotos patients throughout their life
- Data collection to understand the prevalence of various conditions associated with Sotos Syndrome, made available to Sotos community and medical professionals.
- A research program focused on Sotos Syndrome, including clinical trial initiatives to advance understanding and treatment options for patients
- Raising awareness through educational initiatives and trainings



Progress

1

Collaboration

2

Vision

3

Raising Seed
Funding

4

Opening Clinic

5

Sustainability



Ongoing Work

- Raising awareness among medical trainees hosted on February 18, 2025
- Developing a Sotos patient survey
- Building out registry/data collection questionnaire
- Determine the research that our community want to pursue
- Work with international community to establish a registry
 - Coordination of Rare Diseases at Sanford (CoRDS)
 - Based at Sanford Research, a nonprofit research institution, CoRDS is a centralized international patient registry for all rare diseases.
- Launching a clinic website
- Continuing fundraising and raising awareness:
because.MassGeneral.org/StandingTallforSotos



Please take our survey!

- What would you be interested in seeing in a specialty clinic for Sotos Syndrome?
- Which services/specialties would be the most impactful to have represented in a Sotos Syndrome Clinic?
- If a care guide was developed for Sotos Syndrome, what issues would you most like to be addressed?
- What are some questions you had when your child was newly diagnosed with Sotos Syndrome, where it was difficult for you to find answers?
- What research priorities are most important to you?



Thank You!

