### SATB2-Syndactyly Syndrome

**Anu’s Name:** Glass Syndrome, 2q33.1 Subdactyly/MAKO Subdactyly/Subdactyly/Meyo Test

**Malignancies**

This form is less common and usually associated with other abnormalities. It is characterized by small hands and feet, syndactyly, and other developmental anomalies. Individuals with this form may also have Learning Disabilities, Intellectual Disability, and Autism Spectrum Disorder.

### System

<table>
<thead>
<tr>
<th>Syndrome</th>
<th>Presentation and Associated Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glass Syndrome</td>
<td><strong>Psychomotor retardation, facial abnormalities, craniofacial dysmorphisms, syndactyly, intellectual disability.</strong></td>
</tr>
<tr>
<td><em>SATB2</em> Gene Mutation</td>
<td>Linked to the <em>SATB2</em> gene located on chromosome 2q33.1. <strong>Missense mutations</strong> (where a single nucleotide is substituted), <strong>frameshift mutations</strong> (where a group of nucleotides is added or deleted), <strong>deletions</strong> of the entire gene, or <strong>amplifications</strong> can cause this condition.</td>
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</tbody>
</table>

### Diagnosis

Jenks et al. 2018. The *SATB2* gene is located on chromosome 2q33.1 and is responsible for coding a protein that plays a role in cell development.

### Treatment

<table>
<thead>
<tr>
<th>Site</th>
<th>Treatment</th>
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</thead>
<tbody>
<tr>
<td><strong>Hands</strong></td>
<td><strong>Syndactyly correction surgery.</strong></td>
</tr>
<tr>
<td><strong>Feet</strong></td>
<td><strong>Orthopedic management and surgical correction.</strong></td>
</tr>
</tbody>
</table>

### Additional Resources

- [The University of Rhode Island College of Pharmacy](https://www.ncbi.nlm.nih.gov/books/NBK458647)
- [SATB2 Syndrome (2q33.1)](http://www.satb2gene.com)

### Contact Information

**SATB2 Gene Foundation:**

- [www.satb2gene.com](http://www.satb2gene.com)
- [SATB2 Gene Foundation](http://www.satb2gene.org)

**Additional Resources:**

- [**“SATB2 Syndrome (2q33.1)”** - Gene Review](https://www.ncbi.nlm.nih.gov/pubmed/29436146)
- [**SATB2 Gene Foundation**](http://www.satb2gene.com)