

Pediatric Spine Program

Gillette Children's treats the majority of children in Minnesota with spinal conditions. Our 6 spine surgeons perform more pediatric scoliosis surgery than any other hospital in the 5-state area. Because we see the full spectrum of spine cases, from mild to severe, all patients benefit from our depth of experience, no matter their complexity.

Spine Conditions We Treat:

- Scoliosis
- Spondylolysis and spondylolisthesis
- Kyphosis and Scheuermann's disease
- Spine fractures

"We are the first hospital in the nation to install EOSedge™, a low dose 3D imaging system which reduces radiation exposure to our spine patients and offers state-of-the-art imaging and planning tools to our surgical team."

- Joseph Perra, MD

Scoliosis Treatments

Bracing

Hypercorrective nighttime: custom made, wear while sleeping.

Thoracolumbosacral orthosis (TLSO): custom made, highly effective, wear 18 hours per day.

Physical Therapy

Scoliosis-specific exercise: based on the Schroth Method, this customized exercise program may reduce the symptoms of scoliosis.

Surgery

Vertebral body tethering (VBT): less invasive procedure, uses the body's own growth to correct the deformity by slowing growth on one side allowing the other to catch up, 6-week recovery.

Spinal fusion: restores alignment to the spine and maintains that alignment while bones heal together, 6-month recovery.

Magnetically controlled growing rods: for those with early onset scoliosis, helps control curve while allowing continued growth. Lengthened during routine outpatient visit with non-invasive remote control.

Vertical expandable prosthetic titanium rib (VEPTR): for patients with severe curves that cause thoracic insufficiency syndrome.



Contact Gillette

Provider Referral Line

Recommended for Urgent or Complex Referrals

651-325-2200

Online Referral Form

gillettechildrens.org/referral



Scan for our online referral form.

Fax Referral

651-726-2622

Patient Scheduling

651-290-8707

MINNESOTA LOCATIONS

Gillette Children's - St. Paul Campus
(Hospital and Clinic)

Alexandria

Burnsville

Mankato

Maple Grove

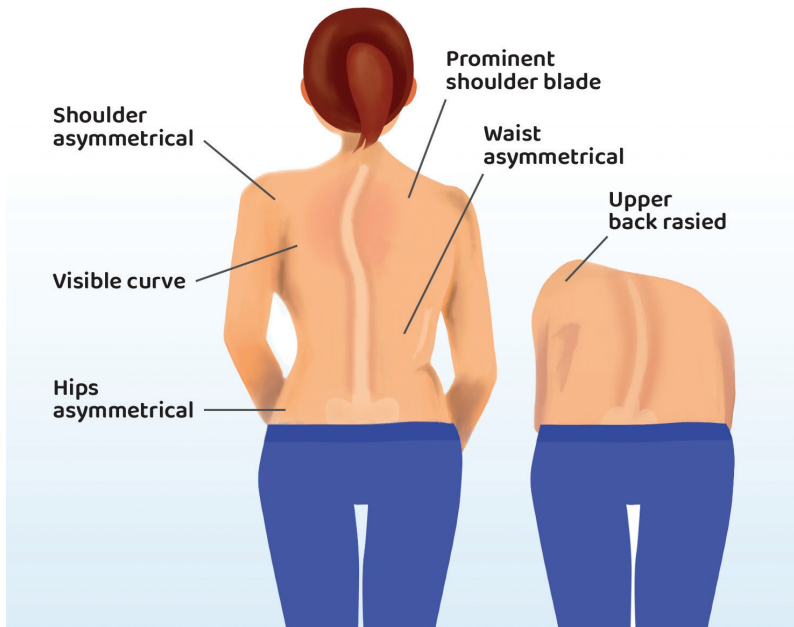
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See back for more information.

Referral Guidelines

Scoliosis Signs and Symptoms



How to Screen:

Adam's Forward Bend test at every well child check:

- If $>7^\circ$ rotation, PA and lateral full spine x-rays recommended
- If curve on x-ray $<10^\circ$, may observe clinically
- If curve on x-ray 10° - 15° , repeat x-rays in six months

When to Refer:

- X-ray shows curve $>15^\circ$
- Repeat x-ray shows increase in curve
- X-ray shows abnormal spine anatomy

Our providers are available to consult or to co-manage with a primary care provider at any point in a patient's curve progression.

Common Treatment Recommendations

OUR PROVIDERS

Abby Anderson, PA-C
 Eduardo Beauchamp, MD
 Amy Jo Beebe, MA, APRN
 Tenner Guillaume, MD
 Danielle Harding, PA-C
 Daniel Miller, MD
 Kyle Miller, MD
 Megan Moffatt, MS, APRN
 Katie Peltz, PA-C
 Joseph Perra, MD
 Laura Tillman, DNP, APRN
 Walter Truong, MD

Degree of Curve	Course of Action
$<10^\circ$	Observe clinically over time
10 - 20°	Periodic x-rays
20 - 45°	TLSO or Nighttime bracing
$>45^\circ$	Surgical intervention; fusions at any skeletal maturity
Any curvature	SCHROTH (scoliosis-specific exercises)
Further evaluations needed to qualify	VBT (vertebral body tethering); skeletally immature