



**Center for
Pediatric Neurosciences**
at Gillette Children's Specialty Healthcare

Your Regional Leader in Pediatric Neurosciences

With a specialized, comprehensive team and advanced neurodiagnostic capabilities, Gillette's Center for Pediatric Neurosciences cares for patients from across the region and beyond.

We specialize in treating:

- Acquired brain injuries (including minor neurotrauma)
- Brachial plexus injuries
- Cerebral palsy and related movement disorders
- Epilepsy (and first seizures)
- Hydrocephalus
- Neurocutaneous disorders
- Neurodevelopmental disorders
- Neuromuscular disorders (including muscular dystrophy and spinal muscular atrophy)
- Sleep disorders in children with neurological problems
- Spina bifida
- Spinal cord injuries

We're committed to being your trusted experts in the diagnosis and treatment of complex neurological conditions.

On the Cover: Born with spina bifida, Mia once had to visit imaging centers that couldn't accommodate her unique needs. Her mother Sue describes every visit as traumatic. Today, Mia receives comprehensive services — including imaging — at Gillette, where she's surrounded by people who specialize in caring for kids like her. "We know and trust the people at Gillette," says Sue. "It's a blessing to get so many services for her in one spot!"

What Sets Us Apart

- We collaborate with Regions Hospital to provide services at Minnesota's first Level I Pediatric Trauma Center, which cares for the region's most acutely injured children and teens.
- Our James R. Gage Center for Gait and Motion Analysis is the busiest clinical motion analysis center in the world, performing more than 600 examinations each year. In 2009, the Center became the nation's first to be certified by the Commission for Motion Laboratory Accreditation.
- We operate one of the nation's premier sleep centers dedicated to children who have disabilities and conditions such as epilepsy, cerebral palsy and neuromuscular diseases.
- Our Advanced Imaging Center includes special features — including positive distractions and sedation medicine — for children who have disabilities.
- We operate one of the largest and most respected cerebral palsy programs in the world — serving more than 3,500 patients in 2008 and caring for the world's largest population of children who have intrathecal baclofen pumps.
- We have the Twin Cities' only pediatric inpatient rehabilitation facility accredited by the Commission on the Accreditation of Rehabilitation Facilities (CARF).
- Our adult-focused clinic and inpatient unit ensure that patients receive neuroscience services throughout their lifetimes.

Our Imaging and Neurodiagnostic Capabilities

Gillette provides state-of-the-art neurodiagnostic and imaging technology to help our providers make diagnoses and plan treatments. We conduct the following on-site:

- Audiology evaluations
- Computed tomography (CT) imaging
- DEXA bone-density scanning
- Electroencephalograms (EEGs) and video electroencephalograms (VEEGs)
- Electromyograms (EMGs)
- Fluoroscopy, including swallow studies
- Gait and motion analysis
- Intraoperative monitoring services
- Magnetic resonance imaging (MRI)
- Multiple sleep latency tests
- Polysomnograms (overnight sleep studies), combined with VEEG monitoring, if needed
- Ultrasounds

Our Pediatric Expertise

Our staff has extensive experience in working with children who have disabilities and complex medical needs. Our testing rooms, equipment and services are designed with accessibility and relaxation in mind. Positive distractions — including lighting, sound and video images — help children relax during certain tests. And sedation medicine is available to help children relax or sleep during testing. We're proud of our expertise in treating children who have complex medical needs. In fact, it's been our mission for more than 110 years.

Why Referring Physicians Choose Us

Whether they come from across the street or across the country, referring physicians count on us to provide comprehensive care.

"Gillette offers a unique blend of excellence in subspecialty services, technology and interdisciplinary communication that provides for comprehensive assessment and services. It has been my experience that my patients universally receive excellent care."

— Ed Wright, M.D., pediatric physiatrist and medical director of Pediatric Rehabilitation at The Children's Center in Bethany, Okla.

Our Specialty Medical and Surgical Treatments

Neurological conditions affect all facets of development. That's why we work in teams to offer comprehensive evaluations and treatments on-site. Below are some of our most common medical treatments and surgical procedures.

Medical Treatments

- Seizure and epilepsy management
- Ketogenic diet therapy
- Spasticity management
- Pain management
- Sleep apnea and sleep disorders treatment
- Hydrocephalus treatment
- Management of progressive muscle and nerve disorders

Pediatric Neurosurgery

- Selective dorsal rhizotomy surgery
- Shunt implantation
- Vagus nerve stimulator implantation and programming
- Surgical treatment for brain and spinal cord injuries
- Brachial plexus surgery
- Intrathecal baclofen pump implantation

Pediatric Orthopaedic Surgery

- Spine surgery
- Single event multi-level surgery (SEMLS)
- Upper extremity surgery

Rehabilitation and Support Services

In addition to medical and surgical treatment, we offer comprehensive rehabilitation therapy services, including physical, occupational, and speech and language therapy. Our team also includes specialists in orthotics, prosthetics, seating and adaptive equipment, child life, recreational therapy, social work, psychology and more. Our full range of services is designed to meet the specialty needs of our patients throughout their lives.

When a local hospital couldn't determine the cause of Edi's nighttime spells, her family traveled more than 400 miles for testing at Gillette. An overnight sleep study found abnormal brain activity that might indicate seizures. Since starting medication, Edi has been seizure-free. "I feel such a sense of relief now," says Edi's mother, Melynda. "We're all resting better!"

Our Team Approach

At Gillette, teamwork is at the heart of our mission. Our neurosciences team includes providers who specialize in disorders of the nervous system and their effects on the body. We believe that families and primary-care providers are central members of the care team. Our specialists are eager to consult with patients' hometown providers to ensure seamless care. In short, our team is your team.



Our Medical and Surgical Staff at Gillette's Center for Pediatric Neurosciences

Neurodevelopmental Pediatrics

Kim McConnell, M.D.
Raymond Tervo, M.D.

Neurology

Galen Brenningstall, M.D.
Desiree Czapansky-
Beilman, M.D.
John Day, M.D., Ph.D.
Rupert Exconde, M.D.
Timothy Feyma, M.D.
Peter Karachunski, M.D.
Jennifer Maytum, C.P.N.P.
Shani Norberg, M.D.
Betty Ong, M.D.
Frank Ritter, M.D.
Stephen Smith, M.D.
Denise Walz, C.P.N.P.
Beverly Wical, M.D.

Neuropsychology

Richard DiPrima, Psy.D.
Gretchen Weatherly, Ph.D.
Katherine Buhrke, Ph.D.

Neurosurgery

Mary Beth Dunn, M.D.
Patrick Graupman, M.D.
Michael Partington, M.D.
Joseph Petronio, M.D.
Teresa Schultz, C.P.N.P.
Amanda Seeley, C.P.N.P.
Mary Tibbs, C.P.N.P.

Orthopaedics and Spine

Bruce Bartie, D.O.
Deborah Bohn, M.D.
Mark Dahl, M.D.
Stephen England, M.D.
James Gage, M.D.
(emeritus)
Sarah Gutknecht, C.N.P.,
D.N.P.
Michael Healy, M.D.
Stig Jacobsen, M.D.
Steven Koop, M.D.
John Lonstein, M.D.
Tom Novacheck, M.D.
Joseph Perra, M.D.
Deborah Quanbeck, M.D.
Stephen Sundberg, M.D.
Ann Van Heest, M.D.
Kevin Walker, M.D.

Pediatric Psychiatry

Elizabeth Reeves, M.D.
Shalene Kennedy, M.D.
Ryan Williams, M.D.

Pediatric Rehabilitation Medicine

Supreet Deshpande, M.D.
Mark Gormley Jr., M.D.
Linda Krach, M.D.
Leslie Larson, C.N.P.
Kevin Murphy, M.D.
Susan Quigley, M.D.
Jean Stansbury, C.P.N.P.
Laura Stresow, F.N.P.
Marshall Taniguchi, M.D.
Marcie Ward, M.D.

Psychology

Andrienne Barnwell, Ph.D.
Constance Hvass, Ph.D.
Erin Tentis-Berlund, Ph.D.
Nancy Wagner, Ph.D.

Sleep Medicine

John Garcia, M.D.

Contact Us Today

To schedule an
appointment:
651-290-8707:
Patient Appoint-
ment Services

To make a referral or
consult with a specialist:
651-229-3890:
Telehealth Nursing Line

To learn more about
our center:
■ 651-290-8712: Sue Murr,
program manager
■ 651-229-1717: Candace
Vegter, program manager

A Resource From Us to You

Gillette publishes *A Pediatric Perspective*, a newsletter for primary-care providers, several times a year. If you'd like to receive the newsletter, please send an e-mail to Publications@gillettechildrens.com.

Our Mission

Gillette Children's Specialty Healthcare provides specialized health care for people who have short-term or long-term disabilities that began during childhood. We help children, adults and their families improve their health, achieve greater well-being and enjoy life.



Gillette Children's
Specialty Healthcare

St. Paul (Main) Campus
200 University Ave. E.
St. Paul, MN 55101
651-291-2848
800-719-4040 (toll-free)

Maple Grove Clinic
9550 Upland Ln. N.
Maple Grove, MN 55369
763-496-6000
888-218-0642 (toll-free)

Burnsville Clinic
305 E. Nicollet Blvd.
Burnsville, MN 55337
952-223-3400
866-881-7386 (toll-free)

Minnetonka Clinic
6060 Clearwater Dr.
Minnetonka, MN 55343
952-936-0977
800-277-1250 (toll-free)

Duluth Clinic
Lakewalk Center
1420 London Rd.
Duluth, MN 55805
218-728-6160
800-903-7111 (toll-free)

Willmar Clinic
Lakeland Health Center
502 2nd St. S.W.
Willmar, MN 56201
651-634-1938
800-578-4266 (toll-free)

Mobile Outreach Clinic
For locations and schedules:
651-634-1938
800-578-4266 (toll-free)
www.gillettechildrens.org



Gillette Lifetime
Specialty Healthcare

St. Paul – Phalen Clinic
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