

Children’s Wisconsin

Co-Management Guidelines

To support collaborative care, we have developed guidelines for our community providers to utilize when referring to, and managing patients with, the pediatric specialists at Children’s Wisconsin. These guidelines provide protocols for jointly managing patient cases between community providers and our pediatric specialists.

<h2 style="text-align: center;">Genu Varum</h2> <p style="text-align: center;">Angular deformity of the proximal tibia in which the child appears “bowlegged”</p>				
Diagnosis/symptom	Referring provider’s initial evaluation and management:	When to initiate referral to Orthopedic Clinic:	What can referring provider send to Orthopedic Clinic?	Specialist’s workup will likely include:
<p>Signs and symptoms</p> <p>Physiologic Genu Varum</p> <ul style="list-style-type: none"> • Genu varum (bowed legs) persisting after 18 months of age • Usually pronounced by the child beginning ambulation • Determine if change over time (better or worse) • Family history: short stature, angular knee deformities <p>Differential Diagnosis</p> <ul style="list-style-type: none"> • Physiologic bowing • Hypophosphatemic Rickets • Physiologic bowlegs • Blounts • Pseudoachondroplasia 	<p>Physical exam Recommendations</p> <p>Measure the child’s height and weight</p> <p>Neuromuscular exam</p> <p>Supine exam technique</p> <ul style="list-style-type: none"> • Legs straight • Patella directed upward <p>Weight bearing exam technique</p> <ul style="list-style-type: none"> • Legs straight • Patella directed straight forward <p>Additional Information:</p> <p>OrthoKids - Bowed Legs & Knock Knees</p> <p>Physical Exam findings requiring further evaluation:</p> <ul style="list-style-type: none"> • Severe for age • Unilateral varus • One side worse than the other • Bowing worsening after age 2 	<ul style="list-style-type: none"> • Unilateral • Lateral thrust • Worsening varus after walking • Varus not resolved at about 2 years 	<p>Internal Provider using Epic:</p> <p>Place Ambulatory Referral to Orthopedics.</p> <p>External Provider using EPIC:</p> <p>Please complete the external referral order to CHW ORTHOPEDIC & SPORTS MEDICINE CLINICS</p> <p>- or -</p> <p>Fax to Central Scheduling at (414) 607-5288</p> <p>- or -</p> <p>Online ambulatory referral form</p> <p>Patients will be seen in one of the following clinics:</p> <p>Well Child Lower Extremity Clinic:</p> <ul style="list-style-type: none"> • Otherwise healthy • No history of motor delays, syndrome, underlying neurologic disorder, genetic disorder • Seen by an APP or non-operative Physician <p>General Orthopedic Clinic</p>	<ul style="list-style-type: none"> • Birth & developmental milestone history • Family history • Neuromuscular exam including complete rotational profile • Gait evaluation • Possible radiographs • Possible laboratory analysis



For questions concerning this work,
 Contact mdconnect@childrenswi.org
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 Allison Duey-Holz, CPNP and Christina Thalacker, CPNP
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<ul style="list-style-type: none"> • Focal fibrocartilaginous dysplasia • Osteogenesis imperfect 	<ul style="list-style-type: none"> • Lateral thrust when walking: abnormal translation of the knee laterally when walking • Height less than 25th percentile <p>Further evaluation recommendations:</p> <ul style="list-style-type: none"> • Radiograph– AP standing leg lengths x-ray • Laboratory Evaluation <table border="1"> <tr> <td>25-Hydroxy Vitamin D</td> </tr> <tr> <td>1-25 Dehydroxy Vitamin D</td> </tr> <tr> <td>CBC with differential</td> </tr> <tr> <td>Ionized Calcium</td> </tr> <tr> <td>CMP</td> </tr> <tr> <td>PTH</td> </tr> </table>	25-Hydroxy Vitamin D	1-25 Dehydroxy Vitamin D	CBC with differential	Ionized Calcium	CMP	PTH		<ul style="list-style-type: none"> • Patients with pain • Patients with underlying disorders or developmental delays • Second opinion, previously seen by outside Orthopedic Surgeon <p>Please send</p> <ul style="list-style-type: none"> • Pertinent images – either push to CHW PACS or send with family on disc • Radiologist reports if imaging obtained – send with family or fax to (414) 604-7509 • Clinic notes with hip / lower extremity exam <p>Contact Information</p> <ul style="list-style-type: none"> • Call Physician Consultation Line at (414) 266-2460 if you would like to speak directly to Pediatric orthopedic surgeon prior to referral • Contact Orthopedics (414) 604-7500 for general concerns 	
25-Hydroxy Vitamin D										
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PTH										

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- Zionts, L.E. & Shean, C.J. (1998). Brace treatment of early infantile tibia vara. *Journal of Pediatric Orthopedics*, 18(1), 102-109.

*Approved by Specialty Medical Leader, CSG Clinical Integration, Primary Care Clinical Guidelines Core Team



Medical Disclaimer

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