

available

☐ PSSE is not a substitute for bracing

when bracing is indicated

Best Practice Guidelines

Adolescent Idiopathic Scoliosis (AIS) Bracing Checklist

MONITORING DISCONTINUING **INITIATING**

Bracing Indications:	X-rays:	X-rays Continued:
No role for bracing curves ≤15 or ≥60°	☐ Utilize low-dose biplanar radiography	☐ Take all subsequent follow-up x-rays out
☐ No role for bracing skeletally mature	over plain radiographs when available	of brace
patients (Risser Sign 5, Sanders Stage 7, no growth remaining)	Evaluate skeletal maturity with Sanders staging	☐ Remove the brace at least 1 hour prior to the x-ray
Brace Prescription:	☐ Correct leg length discrepancies when taking x-rays	☐ Take x-rays of patients undergoing their rapid growth phase (Sanders 3
☐ Choose rigid braces (e.g. Rigo Chêneau- type brace, Boston Style Orthosis) over non-rigid braces (e.g. SpineCor)	 □ Obtain frontal and sagittal in-brace x-rays 4-6 weeks from brace delivery □ Consider a 2-6 week brace breakin period prior to the in-brace radiograph □ Measure biggest residual coronal Cobb angle and evaluate sagittal parameters in-brace □ If a properly worn brace is unable to achieve meaningful curve correction, 	or 4) every 4-6 months Take x-rays of patients outside of their rapid growth phase every 6-12 months
☐ Brace high-risk patients ≥18 hours per day		Discontinuing Bracing:
☐ Do NOT brace any patients <6 hours per day		☐ Consider Sanders stage, Risser sign, change in height, curve progression, and curve magnitude when discontinuing
☐ Monitor brace compliance with electronic sensors		☐ When discontinuing, wean the brace for a minimum of 6 months
Physical Activities/PSSE:	modify or remake the brace	
☐ Recommend sports and physical activities	The primary goal of bra	acing therapy in AIS is to
☐ Instruct patient to remove brace for activities	prevent or limit curve progression (including progression to surgery) in the growing child.	
☐ Consider prescribing PSSF where		

Reference:

Roye, BD, Simhon, ME, Matsumoto, H, et al. Establishing consensus on the best practice guidelines for the use of bracing in adolescent idiopathic scoliosis. Spine Deformity. 2020; 8(1):597-604.

https://doi.org/10.1007/s43390-020-00060-1