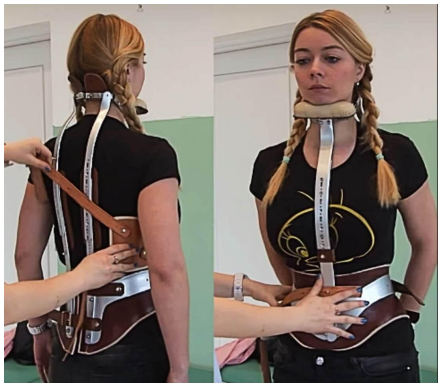
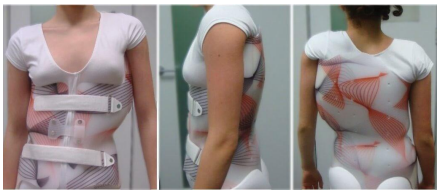
Scoliosis Braces Comparison Chart

Name	Type	Schedule	Information	Picture
Milwaukee Scoliosis brace	CTLSO	Full-time	• Developed in 1958 • Original scoliosis brace • Unacceptable appearance to most patients • Uncomfortable at chin and throat contact • Uncomfortable at the pelvis contact • Metal structure worn outside the clothing • Very pronounced brace worn over clothing • Not prescribed often due to aesthetics • Not as comfortable as newer low profile braces	
Wilmington Scoliosis brace	TLSO	Full-time	• Developed in 1969 • First “low profile” scoliosis brace • Custom plaster mold made for each child • Variances in standardization depending on Orthotist’s skill • Jacket style brace • Closes in the front	
Boston Scoliosis brace	TLSO	Full-time	• Developed in 1972 • Improved on Wilmington brace • Jacket style brace • Developed to standardize “custom made” scoliosis brace variances • One of the most prescribed braces • Braces worn under clothing • Closes in the back • Uses premade molds that generally fit most children & scoliosis types	

Charleston Scoliosis bending brace	TLSO	Nighttime	• Developed in 1978 • Custom fit orthotic • Developed to insure better compliance with scoliosis treatment plan • Provides overcorrection on curve while a person is lying down • Only for night time use • Limited to C curve scoliosis • Limited to single curve scoliosis types • Takes longer overall to correct curve than full time scoliosis braces • Research shows issues of using this brace because it worsens compensatory curves • Research shows this brace is not recommended for severe curves greater than 25 to 35 degrees	
Rigo-Chene au Type Brace	TLSO	Full-time	• Original was developed in 1979 • Many variations based on original • CAD/CAM used to digitally scan each patient's body • Defined by specific contact and expansion points in a 3 Dimensional model • Made of lightweight plastic • Often combined with Schroth Physical Therapy which emphasizes breathing, muscle synergy, stretching, and posture • Front opening brace • Unique in that this brace is considered rigid and dynamic at the same time	

Providence Scoliosis brace	TLSO	Nighttime	• Developed in 1992 • Custom fit using CAD/CAM made of polyethylene • Similar to Charleston brace, but applies a different type of correctional force • Developed to insure better compliance with scoliosis treatment plan • Best use for patients with curves less than 35° in lumbar and thoracolumbar cases per research • Strictly for night time use • Decreases the risk of progression of secondary curves per study • Designed to move the spine to the midline with direct force to the scoliotic curve	 
Spinecor	TLSO	Full-Time	• Developed in 1998 • The first truly Dynamic brace • Most recent innovation • Uses a bolero/vest and elastic bands • Very flexible brace • Very comfortable to wear • Hardly noticeable under clothing • Well tolerated by patients and therefore high compliance rate • Can be used down to 15 degrees Cobb Angle • High success rate for Adolescent Idiopathic Scoliosis (AIS)	
Scoliosis Activity Suit	Not an Orthotic	Part-Time	• Developed in 2011 • Essentially considered exercise equipment • Only for use in very small curves versus observation only • Not much research	

Scolibrace	TLSO	Full-Time	• Developed in 2012 • Custom 3 Dimensional fit • Needs to be modified regularly • Utilizes “over correction” method • Front opening brace • CAD/CAM used to create the plastic brace • Made at the factory and must be modified after delivery • Plastic mold must be reheated to modify as child grows which necessitates skill	
CMP Brace	TLSO	Full-Time	• Developed in 2012 • Custom 3 Dimensional fit CAD/CAM technology • differentiates between Primary Structural, Secondary Structural and Compensatory Curves • 3D, postural over-correction • Asymmetrical • Spine is treated in all three planes, Rotation/Twist (Axial/Transverse), Sideways (Sagittal) & Front-Back (Coronal)