



SCOLIOSIS BRACE INFORMATION:

I recommend the Cheneau Brace:

Read more about it here:

<https://scoliosisbracinginnovations.com/providers/cheneau-concept/>

Why?

Asymmetric bracing has been shown to be more effective than symmetric scoliosis braces (see research below). The 3D Cheneau Gensingen Brace™ (aka GBW) is specifically designed to influence the curve toward a more normal position and allow for improved upward growth. Pressure zones over the curves with opposing “voids” or open space over the concavities allows for less bulk, breathing room and cooler to wear. The brace is made of less material, especially in the chest and hip and is cut under the chest to avoid breast distortion. For adolescent females, this offers a critical advantage during pubertal development. Patients, especially those who have worn other braces, appreciate the open hip which allows for overcorrection and hip mobility. It makes sitting, wearing jeans, and hiding it easier. Front closures offer greater independence when it comes to wearing and adjusting it.

There is a growing body of evidence in support of the Cheneau Gensingen scoliosis brace. A recent study found the Cheneau Gensingen Brace™ to be 92.9% effective

What about Adults?:

This brace is superior for adults to give spinal support, and the potential for de-rotation and improved posture.

Can it be used for Kyphosis?

Yes! All ages can benefit from the [Kyphologic® spinal brace](#). A great option for patients with thoracic kyphosis, kyphoscoliosis and Scheuermann's for curve correction in children, and in adults, for pain management and spinal support.

Compare Braces - photos and results

<https://scoliosisbracinginnovations.com/patients/comparing-scoliosis-braces/>

What does a brace look like:

Scoliosis brace examples:

Milwaukee Brace, Boston Brace, Old Chêneau Brace,



Newer Chêneau-Gensingen Braces [Courtesy of Dr. HR Weiss and Scoliosis 3DC, USA].



What makes a brace successful?

Wear time, age, curve size, spinal flexibility and type of brace.



Studies have been done. Do your research - its a big investment of time and money - if you shop for a brace with as much care as you shopped for a car.... you will make the best choice!

Soft Braces VS Hard braces research

[Wong et al.](#) and [Guo et al.](#)

Symmetrical VS Asymmetrical Brace research

<http://www.oapublishinglondon.com/article/971>

Boston VS Providence (night time brace)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3233933/>

Prospective controlled study (Level II)

Weiss HR, Weiss G. [Brace treatment during pubertal growth spurt in Girls with Idiopathic scoliosis \(IS\) – A prospective trial comparing two different concepts.](#) *Pediatr Rehabil* 2005; 8: 199-206.

Retrospective papers and reviews (Level III)

De Giorgi S, Piazzolla A, Tafuri S, Borracci C, Martucci A, De Giorgi G. [Cheneau brace for adolescent idiopathic scoliosis: long-term results. Can it prevent surgery?](#) *Eur Spine J* 2013;22 Suppl 6:S815–S822.

Evidence for the Cheneau Gensingen Brace™

Retrospective papers and reviews (Level III)

Ng SY, Borysov M, Moramarco M, Nan XF, Weiss HR. [Bracing Scoliosis – State of the Art.](#) *Curr Pediatr Rev.* 2016;12(1):36-42.

Weiss HR, Kleban A. [Development of CAD/CAM Based Brace Models for the Treatment of Patients with Scoliosis- Classification Based Approach versus Finite Element Modelling.](#) *Asian Spine J.* 2015;9(5):661-7.

Weiss HR, Werkmann M. [Rate of surgery in a sample of patients fulfilling the SRS inclusion criteria treated with a Cheneau brace of actual standard.](#) *Stud Health Technol Inform.* 2012;176:407-10. (Cheneau Light – the predecessor to the Cheneau-Gensingen.)

Other papers (Level III & IV)

Weiss HR, Seibel S, Kleban A. [Deformity-related stress in a sample of patients with adolescent idiopathic scoliosis \(AIS\) after brace weaning: A cross-sectional investigation.](#) *OA Musculoskeletal Medicine* 2014 Mar 12;2(1):5.

Weiss HR, Seibel S, Moramarco M, Kleban A. [Bracing scoliosis: The evolution to CAD/CAM for improved in-brace corrections.](#) *Hard Tissue* 2013 Nov 25;2(5):43.

Borysov M, Borysov A, Kleban A, Weiss HR. [Bracing according to 'best practice' standards – are the results repeatable?](#) OA Musculoskeletal Medicine 2013 Apr 01;1(1):6.

Weiss HR, Moramarco M. [Scoliosis – treatment indications according to current evidence.](#) OA Musculoskeletal Medicine 2013 Mar 01;1(1):1.

Weiss HR, Moramarco M. [Remodelling of trunk and backshape deformities in patients with scoliosis using standardized asymmetric computer-aided design/computer-aided manufacturing braces.](#) Hard Tissue 2013 Feb 26;2(2):14.

VIDEOS

Dr Weiss and Dr Moramarco discuss the Gensingen Cheneau brace [\[Courtesy of Dr. HR Weiss and Scoliosis 3DC, USA\]](#).



Watch Ray Diaz make the Gensingen Cheneau brace



Mom interviewed about the brace and the schroth program [\[Courtesy of Dr. Moramarco @ Scoliosis 3DC, USA\]](#).



