



 Scolioscan[®]

SCN-803

Radiation-Free 3D Ultrasound
Scoliosis Assessment System



 Telefield



Shaping the Future of Scoliosis Assessment

Scolioscan® is a professional medical imaging equipment developed specifically for scoliosis assessment. It breaks the restrictions of traditional X-ray assessment and embraces the advantages of 3D ultrasound imaging technology. Scolioscan® can provide radiation-free assessments of scoliosis for mass screening, frequent monitoring, timely feedback of treatment, and optimizing the conservative treatments. With a 30-second scanning, Scolioscan® can obtain a 3D image for scoliosis assessment and analysis.

Benefits with Scolioscan® solution:

- Safe without any radiation exposure
- No restrictions on environment, assessment intervals and operators
- Comparable results with X-ray
- Timely monitoring and flexible treatment plan
- Multi-language user interface with DICOM support

Applications:

- Public health services like mass scoliosis screening
- Frequent monitoring of spinal deformities
- Facilitate the design and feedback conservative treatments
- Posture assessments

Automatic curvature measurement platform

The built-in automatic algorithms, brought from the Scolioscan® system, make it easy to achieve accurate and efficient spinal curvature measurement and analysis.



Supporters

Ergonomic supporters and rounded tip help optimize comfort level and maintain patient's posture

Transmitter

Receiving spatial information of the ultrasound probe using advanced magnetic field technology

Chest and Hip Boards

Patient-centred chest and hip boards design allows easy and quick patient positioning

Anti-Slip Mat

Ergonomic mat design improves patients' experience

Operator Monitor

User-friendly touchscreen helps simplify operations
Independent height adjustments of the monitor, facilitating neutral working postures and reducing repetitive stress injuries

Ultrasound Probe

Wide acoustic lens (75mm), for more accurate measurement covering the whole spine



To provide scoliosis assessment at anywhere, anytime



Radiation-Free

- It breaks the restrictions of traditional X-ray
- Generating comparable results with X-ray



Efficient

- Transient scan in 30 seconds
- Accurate auto measurement
- Efficient workflow
- Low operating cost



3D

- Advanced 3D ultrasound imaging for assessment and analysis
- Measurements on three orthogonal planes

ScolioStudio[®]

Reveal the Invisible

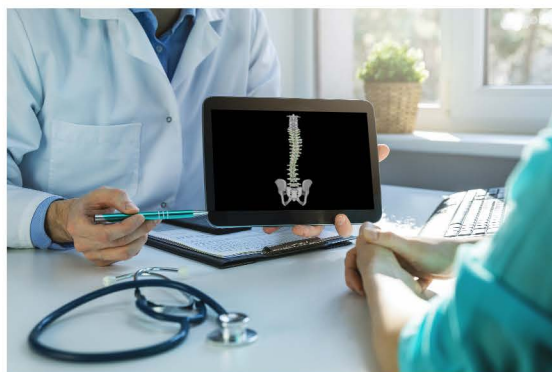
ScolioStudio[®] is intended to conduct 3D analysis of spinal deformities using images generated by Scolioscan[®]. With this 3D analysis software, full spinal profile and 3D spinal model can be established to view and measure the spine in coronal, sagittal and transverse planes.

Benefits with ScolioStudio[®]:

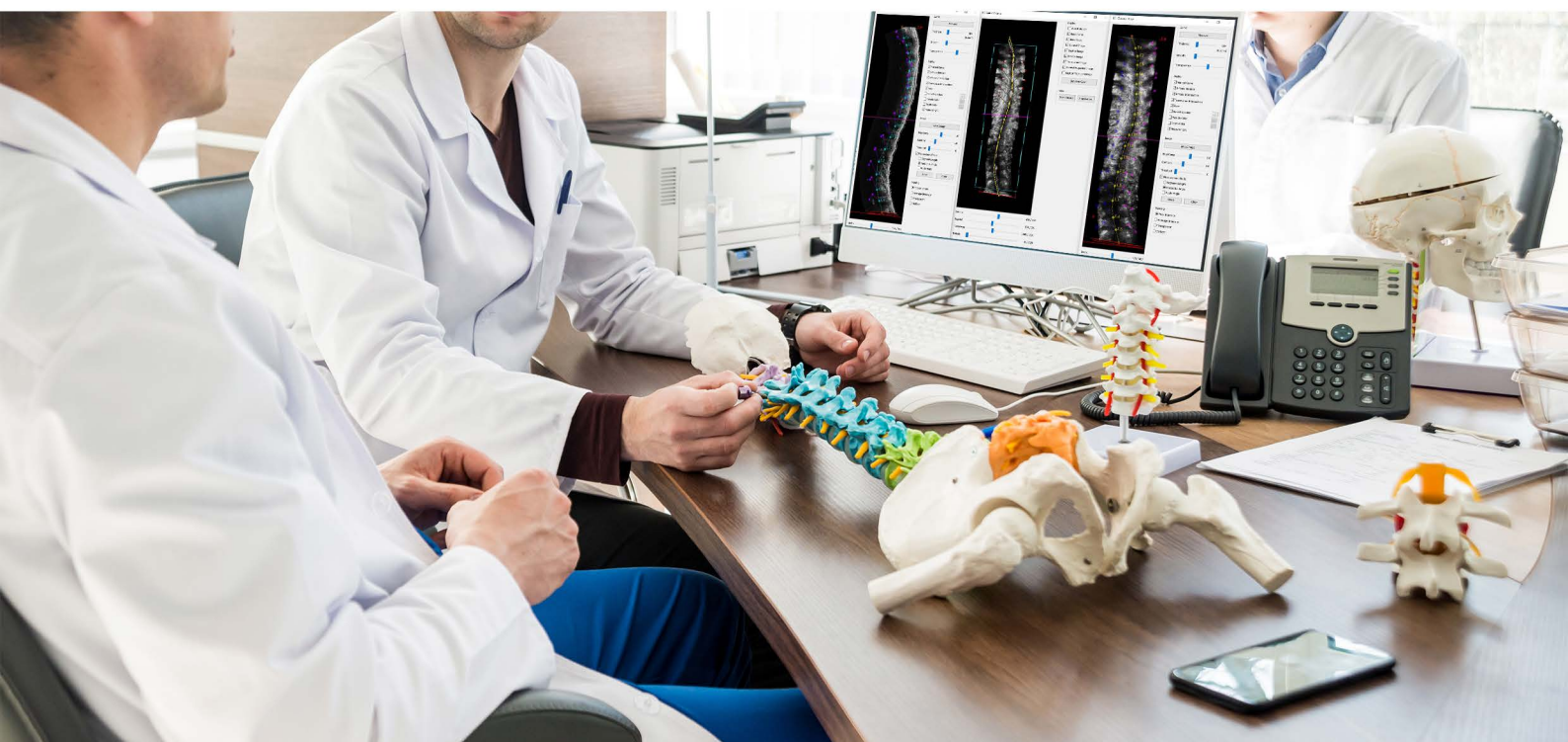
- Advanced rendering and analysis of spinal deformities with Scolioscan[®] raw data file
- Cross-referenced landmark labelling, angle and length measurement among three orthogonal planes
- Automatic formation of spine model using landmarks and manual model refining

Applications:

- Analysis scoliosis and posture changes in 3D
- Facilitate in design and feedback of conservative treatments, such as bracing and exercise
- Empower researchers and medical students to learn with 3D models that it allows visualization of complex spinal pathologies more clearly



Build deeper engagement with your patients and their families by helping them better understand the intended treatment procedure with 3D anatomical models.



We are Scolioscan[®] - Telefield Medical Imaging Limited.
Would you like to know more about Scolioscan[®] solutions?

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