



کراچی یونیورسٹی
University of Karachi
THE NGDS PILOT PROJECT



Participating School: Beacon Light Academy, 'O' Levels, Karachi

SF-GROWTH-AND-IMAGING LABORATORY

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Formulae for Assigning Cumulative-Scoliosis-Risk Weightage (CSRW)[§]

Scoliosis-Risk Weightage	A	B	C
01. Family history	2.0	2.0	2.0
02. Age [3, 6.5] [¶] years	0.5	0.5	0.5
03. Age [6.5, 7.5] [¶] years	1.0	1.0	1.0
04. Age [7.5, 8.5] [¶] years	1.5	1.5	1.5
05. Age [8.5, 11] [¶] years	2.0	2.0	2.0
06. Tall (above 50 ^P) [#]	1.0	1.5	2.0
07. Tall (above 75 ^P) [#]	1.5	2.0	2.5
08. Tall (above 97 ^P) [#]	2.0	2.5	3.0
09. Wasted (more than 10%) [#]	1.0	1.5	2.0
10. Wasted (more than 20%) [#]	1.5	2.0	2.5
11. Wasted (more than 30%) [#]	2.0	2.5	3.0
12. FBT _F (lumbar asymmetry)	1.0/1.5*	1.5/2.0*	2.0/2.5*
13. FBT _B (thoracic asymmetry)	1.0/1.5*	1.5/2.0*	2.0/2.5*
14. Plumb-line non-alignment	1.0	1.5	2.0
15. Shoulder drooping	0.5	1.0	1.5
16. Uneven scapulae	0.5	1.0	1.5
17. Midline of back C shaped	0.5/1.0 [¥]	1.0/1.5 [¥]	1.5/2.0 [¥]
18. Midline of back S shaped	1.0/1.5 [¥]	1.5/2.0 [¥]	2.0/2.5 [¥]
19. Unequal body triangles	0.5	1.0	1.5
20. Uneven spinal dimples	0.5	1.0	1.5
21. Positive moiré (back)	1.0	1.5	2.0
22. Positive moiré (front)	0.5	1.0	1.5

A: 1st Checkup or 2nd Checkup or 3rd Checkup

B: (1st + 2nd) checkup or (2nd + 3rd) checkup or (1st + 3rd) checkup

C: (1st + 2nd + 3rd) checkup

Related References of Informative Articles

Growth-and-obesity monitoring of primary-school children
http://www.ngds-ku.org/BLA/Growth_Monitoring_BLA.pdf

How to guard against curvatures of spinal column in children?
http://www.ngds-ku.org/ngds_folder/art1.htm (HTML version)
<http://www.ngds-ku.org/Articles/A14.pdf> (PDF version)

Moiré fringe topography to detect scoliosis in children
http://www.ngds-ku.org/ngds_folder/art2.htm (HTML version)
<http://www.ngds-ku.org/Articles/A16.pdf> (PDF version)

What can you learn from the way your child walks?
http://www.ngds-ku.org/ngds_folder/art3.htm (HTML version)
<http://www.ngds-ku.org/Articles/A17.pdf> (PDF version)

Related Documents

Cumulative-Scoliosis-Risk Weightage (CSRW) — Designing Preventive Strategies

http://www.ngds-ku.org/BLA/Scoliosis_Risk.pdf

Effective Decision making for Presence of Scoliosis

<http://www.ngds-ku.org/Papers/J36.pdf>

Web address of this document: http://www.ngds-ku.org/BLA/Scoliosis_Risk.pdf

[§]The student should be called for moiré examination and subject to differential-spinal-function testing in SF-Growth-and-Imaging Laboratory at University of Karachi, if the *Cumulative-Scoliosis-Risk Weightage (CSRW)* is equal to or more than:

- 5.5 After the first checkup
- 6.5 After the second checkup
- 7.5 After the third checkup

[¶][x, y] means x (3 years in the first entry) is included, but y (6.5 years) is not. A 6.5-year old student is rated according to criterion 03.

[#] The superscript P denotes percentile

*The second value is applicable, if the front and the back asymmetries are on the opposite side

[¥]The second value is applicable, if the deformity is not corrected upon asking the child to assume mild-stretching posture