Growth Analyser

More information
growthanalyser.org

Software applications of

Growth Analyser

Growth Analyser offers advanced medical software applications that help health care professionals to monitor, analyse, visualize and predict the growth and development of children and adolescents.

Viewer Edition (VE)

VE is add-on software to complement any electronic health record (EHR) system with interactive pre- and postnatal growth charts, growth analysis, and growth prediction functionality, as well as measurement overviews including standard deviation scores (SDS) for measured and derived data.

+ VE obtains all patient data directly from the EHR, no additional data entry is necessary.
+ To support correct growth and development assessment for patients with different backgrounds, VE comes with a large database of 300 growth references for different geographic regions and/or ethnicities, as well as for different syndromes with endocrine features.
+ In consultation with us, additional growth references for any population can be added to the database.

Electronic Patient Record System (EPRS)

EPRS is a web-based electronic health record (EHR) system to digitally enter and organise all medical data of patients in a user friendly interface, offering interactive growth charts and measurement overviews including standard deviation scores (SDS) for entered as well as derived data.

+ The application allows the user to keep a record of a patient's general medical history, medical events, encounters, anthropometric measurements, physical examination, laboratory requests and results.
+ EPRS comes in a single-user and multi-user edition.
+ EPRS includes the ESPE and ICD-10 diagnostic classification systems.

Research Calculation Tools (RCT)

RCT is a toolkit which enables data analysis (SPSS/Excel), calculations (e.g. SDS, velocity), growth prediction, and sample size calculation.

+ Growth Analyser RCT comes with a tool to browse all included growth references.

Analyse **Visualize** **Predict**

Features	VE	ERPS	RCT
Type	integrated	standalone	standalone
Data			
Record or spreadsheet based	health record	health record	spreadsheet
Data entry or interoperability	data obtained from 3rd party record	manual entry	manual entry
Data persistence		database	manual save
Import		✓ *Growth Analyser 3.5 *.gap*	✓
Export	✓ *Microsoft Excel*	✓ *Microsoft Excel*	✓ *SPSS, Microsoft Excel, CSV or text file*
Print	✓	✓	✓
Grouping			✓
Selection			✓
Calculations			
Age	✓	✓	✓
BMI	✓	✓	✓
BSA	✓	✓	✓
Growth velocities	✓	✓	✓
Standard deviation scores	✓	✓	✓
Percentiles	✓	✓	
Gestation-adjusted age	✓	✓	✓ *general purpose calculator*
Corrected parental height	✓	✓	
Sample size			✓
Measurement reliability			✓
Predictions			
Target height, range and channel	✓	✓	
Growth response to GH treatment	✓		✓ *IGHD only*
Bayley-Pinneau adult height	✓	✓	✓
Constitutionally tall stature adult height			✓
Tanner-Whitehouse (TW2) adult height			✓
Growth Charts			
Responsive (non-fixed aspect ratio)	✓	✓	✓
Postnatal references	✓ *geographic regions / ethnicities / diagnoses*	✓ *geographic regions / ethnicities / diagnoses*	✓ *geographic regions / ethnicities / diagnoses*
Prenatal references	✓		✓
Reference comparison	✓	✓	
Normal range	✓	✓	✓
Standard deviation scores	✓	✓	
Percentiles	✓	✓	
Gestation-adjusted age	✓	✓	
Bone age	✓	✓	
Target height, range and channel	✓	✓	
Tanner stages	✓	✓	
Medication use	✓	✓	
Response to GH treatment	✓		
Customize axes, labels and title	✓	✓	✓ *Microsoft Excel*
Zoom in, out and to selection	✓	✓	✓
Print	✓	✓	✓
Export	✓	✓	✓
Multiple data sources, e.g. patients			✓