OMNISENSE 7000P

MEETING THE CHALLENGE OF PEDIATRIC BONE HEALTH

Sunlight

Technology solutions at the point of care

OMNISENSE

7000P

BUILDING A HEALTHY FUTURE

- Radiation-free
- Quick and child-friendly testing
- High-precision measurement
- Monitors bone development
- Sensitive to lifestyle-related changes in the bone

BONE HEALTH FOR A LIFETIME

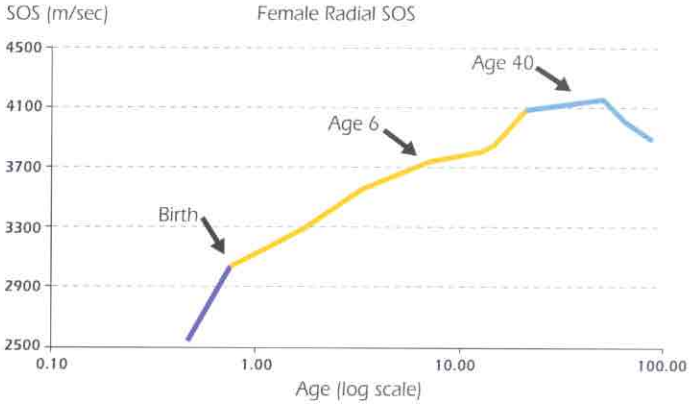
Proper skeletal development during childhood and adolescence is a key determinant of bone health throughout life. Even among otherwise healthy young people, inadequate physical activity and poor nutrition can compromise bone development and lead to fractures[1], poor skeletal health and osteoporosis later in life.

Omnisense 7000P is designed for the management of bone development in children and adolescents. It is the only solution available today for routine children's bone assessment. Omnisense is radiation-free, quick and easy to use, and provides physicians with an essential tool to monitor children's bone development.

REACHING THE PEAK

Reaching maximal peak bone strength by early adulthood minimizes the risk of osteoporosis later in life[2]. Building bone towards this peak starts in childhood, with an active lifestyle and a balanced diet with adequate levels of calcium.[3-5]

At-risk children have even lower chances of attaining a maximal peak bone strength. Risk factors include premature birth, a low birth weight, obesity, delayed sexual development, and a variety of medical disorders.[6-7]



The normal bone growth curve shows a sharp increase in bone strength throughout childhood, culminating in peak bone strength in the late 30s and decreasing thereafter.

Pre-term infants
Children
Adults

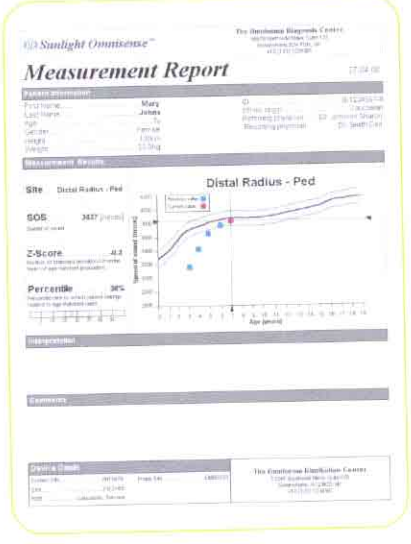
MONITORING BONE STRENGTH

Sunlight Omnisense™ 7000P was developed to meet the increasing need for routine pediatric bone health assessment. Omnisense measurement is sensitive to different levels of calcium intake and physical activity. This assessment can help physicians track the development of bone and decide on diet and lifestyle changes when necessary. The precision of Omnisense enables regular monitoring of pediatric bone strength development.

MEETING THE NEED

Omnisense measurement uses Omnipath™, a patented axial transmission technology that measures the speed of sound of ultrasound waves propagating along the bone. Omnipath™ technology eliminates the effects of soft tissue, enabling accurate measurement. This measurement is independent of body size and bone size.

Omnisense boasts a unique pediatric database that compares each result with age- and gender-matched average values, and quickly generates an easy-to-read report.


Sunlight Omnisense™

Measurement Report

Distal Radius - Ped

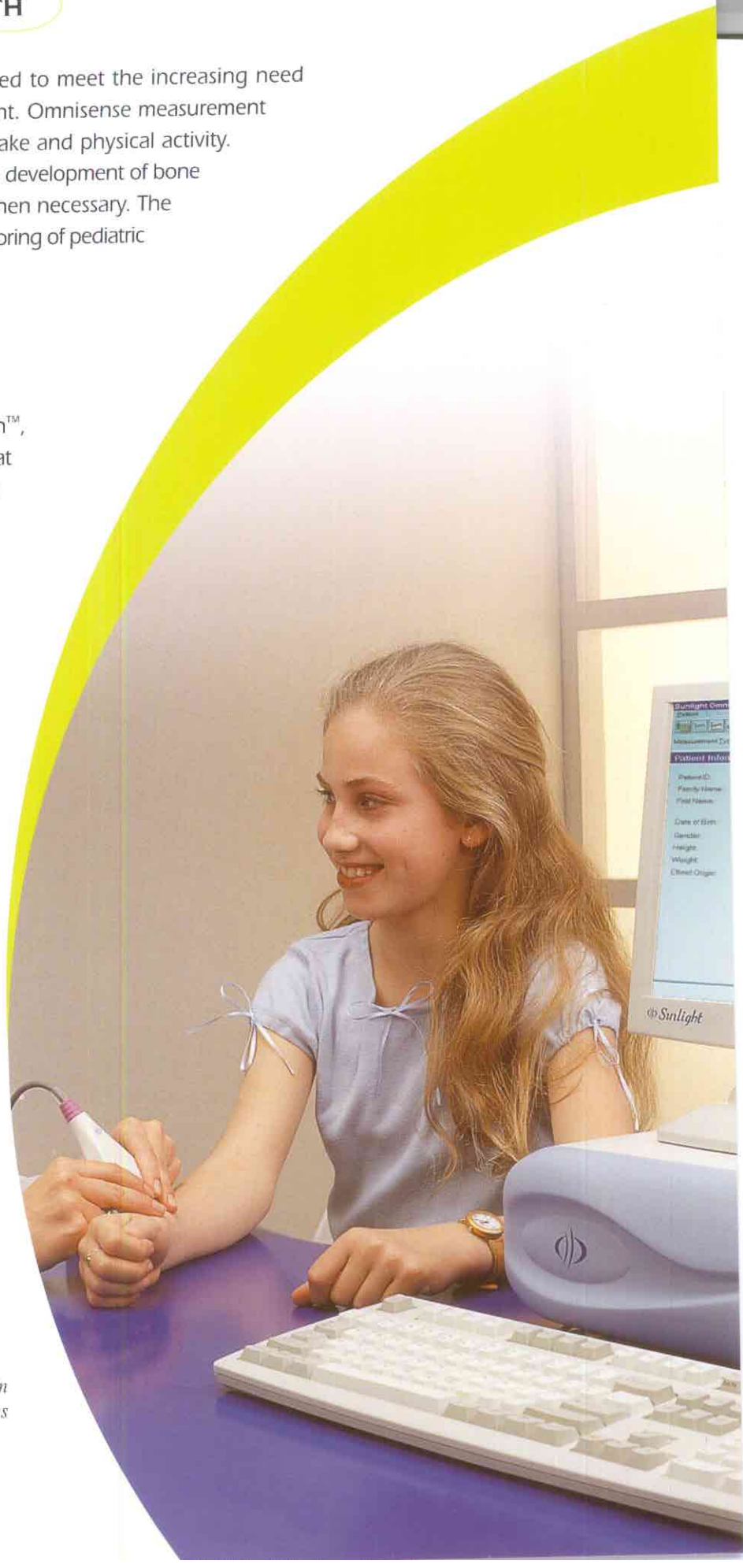
Site Distal Radius - Ped

SOS

Z-Score

Percentile

A detailed measurement report portrays results in SOS, Z-score, and percentile formats and shows comparisons with previous measurements.



SPECIFICATIONS

Model	Sunlight Omnisense™ 7000P
Precision	RMS CV = 0.32% - 0.36% in-vivo precision, depending on site
Measurement sites	Distal 1/3 radius (forearm); Mid-shaft tibia (lower leg)
Technology	Quantitative ultrasound, using Omnipath™ axial transmission technology
Measured parameter	Speed of sound (SOS), expressed in m/sec
Scan time	Less than one minute per skeletal site
Data analysis	Compares SOS results with reference database and reports Z-scores and percentiles.
Display	Flat color display monitor (LCD TFT)
Power	115 or 230V autoswitchable; ~50-60Hz
Power consumption	Approximately 85 VA (including LCD 80 VA (system alone)
Unit dimensions	39cm x 13cm x 33cm
Main unit weight	Approximately 7 kg

ABOUT SUNLIGHT

Sunlight Medical Ltd. is an international company with offices in the USA, Germany, Israel, and China. Sunlight develops, manufactures and markets advanced, high technology medical devices for the use in primary care facilities and hospitals.

All Sunlight products are tested for safety and EMC requirements applicable to medical devices and comply with both international (IEC 601, CE MDD) and FDA requirements for medical devices.

REFERENCES

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Product is available for research use.
Not available for sale in the U.S pending FDA registration.