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Orthocrat Debuts GrowthFactor™ for Pediatric Orthopedic Radiographic Measurement Correction of Deformity Planning, TraumaCad Version 1.3 at RSNA 2004

November 28. Chicago--Orthocrat, the leading digital orthopedic planning manufacturer, introduces at RSNA 2004 GrowthFactor, an innovative digital solution addressing the diagnostic measurement and surgical planning needs of pediatric orthopedic surgeons. GrowthFactor automates a full range of complex pediatric radiographic measurements and compares them to normal values. Multi-functional and easy-to-use, Growth Factor also offers simulation of corrective surgical procedures such as osteotomy and epiphysiodesis and streamlines the conversion to digital pediatric orthopedic workflow. Growth factor also includes automated multiplier predictions for calculating mature height, leg length discrepancy and timing for epiphyseodesis.

Included in GrowthFactor are such measurements as:

- Growth Multiplier
- Acetabular Index
- Reimer Index
- Leg Length Discrepancy Measurements
- Mal alignment Tests
- Spinal Deformity Analysis.
- Patellar Index
- Foot Indices

Upon completion of a specific measurement, GrowthFactor will compare it to normal parameters using a built-in index of current literature standards to provide the surgeon with immediate feedback.

Along with tools for simulating surgeries, the product also includes a full range of pediatric orthopedic templates such as osteotomy plates and screws. GrowthFactor also will produce comprehensive patient reports for each case to be integrated into patient charts and archived with other patient records. GrowthFactor was developed in collaboration with

orthopedists from major pediatric centers, including Doctors Dror Paley, John Herzenberg and Shawn Standard of Rubin Institute of Biomechanics at Sinai Hospital in Baltimore.

Also new at RSNA 2004 will be Orthocrat TraumaCad version 1.3 with a range of enhanced features that add new functionality and ease-of-use to the company's advanced Web-based preoperative orthopedic planning solution.

New in TraumaCad version 1.3 are:

- Automatic template updates that download in seconds from any Internet connection.
- An advanced Correction of Deformity module for pediatric procedures.
- Enhanced ease-of-use.
- New monthly pay-as-you-go financing options.

Together with TraumaCad's full range of advanced features, these new options make it one of the most effective and versatile orthopedic planning solutions available today, delivering important benefits in improved surgical performance and reduced costs.

Seamlessly integrating with any PACS, TraumaCad enables surgeons to utilize digital images, tools and templates for the planning of a full range of orthopedic surgeries, providing an easier and more accurate alternative to traditional preoperative planning using hard copy film and overlays. TraumaCad displays PACS images from a full range of modalities. It enables preoperative plans to be archived with patient files and viewed in the operating room.

TraumaCad features complete library of implants and fixation element templates from most leading manufacturers. It streamlines comparison of templates with digital patient images to allow selection of the best surgical option. TraumaCad automatically displays implants to scale with patient anatomical images. Using a simple wizard-like process, surgeons are guided through all pre-surgical planning steps.

Scaleable and Web-based, TraumaCad turns any PC into a full-featured diagnostic workstation, delivering affordable enterprise-wide access to images and surgical plans. It is compatible with CR, DR, CT, MRI modalities. Among the supported implant manufacturers are Biomet, Depuy, Smith + Nephew, Wright and Zimmer.

About Orthocrat

Orthocrat was established in early 2003 by a team of experienced surgeons, with the goal of developing practical computer assisted surgical techniques. TraumaCad was Orthocrat's first introduction in a growing product line and enables pre-surgical planning of trauma, arthroplasty and osteotomy procedures. Orthocrat products are equally suited for small- to medium-size practices as well as for larger academic institutions.