

## NEW ALERTING FEATURES (July 2016)

Ortho Kinematics is launching some new alerts. In the July 2016 release, there are three additional types of alerts which users can opt-in to activate:

- **Lumbar sagittal alignment measurements and alerts:** At sites that offer VMA-Align™, PI-LL measurements are included as part of the standard VMA report. Now there is an alert icon (see left) that can be activated to appear whenever the PI-LL interval exceeds a user set value, which gets defaulted to 10 degrees<sup>1</sup>. To begin offering VMA-Align™ at your site, contact your Ortho Kinematics sales representative. The following are required:
  1. 12-in (vs. 9-in) C-arm;
  2. Software update on the VMA console (installed by your VMA technician);
  3. Receive a new hardware accessory piece from OKI, and
  4. Rad Techs must undergo a 5-10 minute telephonic or web-based training.

See the 80 sec video <https://youtu.be/A-SHI88F51w> to learn more.

- **Reduced overall bending alerts:** A second new alert can be activated to be triggered if the patient's overall lumbar or cervical bending is below a user-set threshold value. The default values for these regional angulation alerts are as follows: 26 degrees for lumbar (L1-S1 motion) and 31 degrees (C2-C7) and 27 degrees (C2-C6) for cervical<sup>2</sup>.
- **Change in Pain alerts:** Visual Analog Scale Pain scores are collected by Rad. Techs. during VMA testing workflow. This data has always been presented in the reports, however now the user can configure an alert (see icon to the left) to be triggered whenever VAS scores change by more than a user-set amount (for example the alert could be set to trigger whenever VAS changes by more than 2 or 3 points during VMA bending routines).

See the 90 sec video <https://youtu.be/tLaPSaExzQ8> to learn more.

See the 90 sec video <https://youtu.be/dO14-6DJBbo> to see how to enable these new alerts.

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<sup>1</sup> Ames CP, Smith JS, Scheer JK, Bess S, Bederman SS, Deviren V, Lafage V, Schwab F, Shaffrey CI. Impact of spinopelvic alignment on decision making in deformity surgery in adults: A review. J Neurosurg Spine. 2012 Jun;16(6):547-64. This threshold can be adjusted by the user at any time on the Prescriber Alerts Configuration page, section D. Miscellaneous Alerts.

<sup>2</sup> Hipp JA, Wharton ND. "Quantitative Motion Analysis (QMA) of Motion-Preserving and Fusion Technologies for the Spine." *Motion Preservation Surgery of the Spine Advanced Techniques and Controversies*. Ed. James J. Yue, Rudolph Bertagnoli, Paul C. McAfee, Howard S. An. Philadelphia: Saunders Elsevier, 2008. 85-96. Print. This threshold can be adjusted by the user on the Prescriber Alerts Configuration page, section D. Miscellaneous Alerts.