

CATELLA® A.L.A.

Clinical Imaging Line Analysis Program by AMD Technologies, Inc.

Introducing Catella ALA

Since 1997, thousands of users and hundreds of installations have used the Catella® PACS system. For the Chiropractic professional there has always been one missing element: a program to do line analysis easily and quickly with digital images.

Catella ALA provides a cost-effective answer. Whether you have DICOM or JPG images you can import images into the program. Using our interactive guide, click on key landmarks and your analysis will be displayed on the screen. The program highlights finding outside of norms. Even the more complex techniques can be completed in less than one minute. Once completed, lines and points can easily be moved to make any necessary alterations.

The screenshot displays the Catella ALA software interface. At the top, there is a menu bar with options: WORKLIST, IMAGE VIEWER, PRINT COMPOSER, CD WRITER, IMAGE ACQUISITION, Preferences, and Help. Below the menu bar is a toolbar with various icons for navigation and analysis. A central window shows a pelvic X-ray with several white lines and yellow text indicating measurements (e.g., 121 mm, 63 mm, 11 mm, 245 mm). A smaller window on the left shows an interactive guide titled 'Gonstead - Step 1 of 13' with a diagram of a pelvis and the text 'The femoral head top'. Three red arrows point from text boxes to specific parts of the interface: '1. Load image.' points to the WORKLIST button, '2. Select a line analysis.' points to the LUMBAR Spine button, and '3. Follow the interactive guide.' points to the interactive guide window. The bottom right corner of the X-ray window displays 'Only \$2,495.00'. The bottom of the interface shows a 'Series layout' section with several icons.



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Catella ALA includes over 50 line wizards

Skull: Vastine-Kinney Method of Pineal Gland Localization, Sella Turcica Size, Basilar Angle, McGregor's Line, Chamberlain's Line, MaRae's Line, Height Index of Klaus, Boogaard's Line, Boogaard's Angle, Anterior Atlanto-Occipital Dislocation Measurement

Cervical Spine: Atlantodental Interspace (ADI), Method of Bull, George's Line, Posterior Cervical Line, Sagittal Dimension of the Cervical Spinal Canal, Cervical Gravity Line, Cervical Lordosis (Angle of the Cervical Curve, Depth Measurement, and Method of Jochumsen), Stress Lines of the Cervical Spine (Flexion and Extension), Prevertebral Soft Tissues

Thoracic Spine: Cobb's Method of Scoliosis Evaluation, Thoracic Kyphosis, Thoracic Cage Dimension

Lumbar Spine: Intervertebral Disc Height (Hurxthal's and Farfan Methods), Lumbar Intervertebral Disc Angles, Lumbar Lordosis, Lumbosacral Lordosis Angle, Sacral Inclination, Lumbosacral Angle and Disc Angle, Lumbar Gravity Line, Lateral-Bending Sign, Meyerding's Grading Method in Spondylolisthesis, Ullmann's Line, Eisenstein's Method for Sagittal Canal Measurement, Intercrestal Line

Lower Extremity: Teardrop Distance, Hip Joint Space Width, Acetabular Depth, Center-Edge Angle, Symphysis Pubis Width, Presacral Space, Acetabular Angle, Iliac Angle and Index, Measurements of Protrusio Acetabuli, Femoral Angle, Skinner's Line, Axial Relationships of Knee

Upper Extremity: Glenohumeral, Acromiohumeral and Acromioclavicular Joint Spaces

Specials: Gonstead Measurements, Cervical Curve

Our not-so-basic Workstation

Catella ALA is comprised of four software components: Worklist/Archive, Advanced Line Analysis Workstation, Reporting and Print Screens. While not intended to be a full PACS system, this software can substitute for that purpose.

You can import images from your network or a CD. Images can be "pushed" or you can query from a DICOM compliant archive. When done, you can save your work, push it to another archive or send it to a site outside of your network.

Of course, you can also print your work to either a DICOM or postscript printer. You can even record it on a CD.

Catella ALA also has a back-up option. that can push images to any secondary storage location, local or off-site.

Catella ALA will grow with your needs.

A multi-user license is available if needed. It costs a little more, but using our "concurrent user" licensing model you can have multiple simultaneous users. Because this version of our line analysis software uses "browser" interfaces, you can literally use the system anywhere.

We are always adding new tools. We welcome your suggestions and requests. If you choose to subscribe to our extended support agreement, software updates, which include these new tools, are provided. If not, you can purchase updates as you need them.

Not Digital Yet?



Film digitization is an option. We provide several good film digitizing solutions. For patient images needing line analysis, a new or refurbished VIDAR film digitizer will convert your films to DICOM images. The digitizer software is already integrated into Catella ALA. Connect one of these devices to any Catella ALA workstation, and with the additional acquisition software license you can start processing films or images.

And remember, you can also import jpg images to complete your line analysis.

Who is AMD Technologies?

AMD Technologies (or "AMD" as we are known) helps all healthcare professionals take, develop and view radiographs.

We started in 1954 and, through our sister company American Medical Sales, we became one of the largest manufacturers of x-ray viewboxes. We also distribute specialty x-ray machines and a wide variety of x-ray accessories, as well as products for darkrooms and radiation safety.

In 1997, we began to develop a series of digital imaging products. Today, the Catella PACS solutions are found in both large and small facilities. We have networks servicing 2,500-bed hospitals, as well as one-person offices.

Our PACS solutions are known for their intuitive user controls and reliability. Our staff is known for its technical expertise and its superior customer support.



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