

Why use ACCULOC®?

Why buy ACCULOC when we could just look at gold markers in portal images and estimate couch moves?

Accuracy: The ISOLOC™ software user interface provides magnified images – allowing precise identification of gold markers – and outputs exact, objective couch locations, removing the possibility of both interpretation and couch translation error. By contrast, visual inspection based on comparing the location of the implanted gold markers in a pair of portal images will introduce subjectivity and uncertainty into the setup.

Ease of Use: The ISOLOC program provides a very intuitive user interface. Technical staff needs only a short training session.

Time: ACCULOC/ISOLOC provides couch moves in three axes based on a pair of portal images, compared to DRR's which take substantially longer than simply running ISOLOC. DRR's also ignore rotational components.

Functionality: ACCULOC was designed precisely for the purpose of achieving high precision localization and has been in clinical use for well over a decade. Thousands of patients have received better localization with ACCULOC and the ISOLOC software.

Rotational Calculation: ISOLOC calculates and accounts for rotational differences. This task cannot be accomplished by simply looking at a portal image. In fact, rotational differences will cause misinterpretation of translational offset.

Statistical Data: The ISOLOC program records the translational shifts and rotational component for every setup. A single file stores this data for statistical analysis at any point.

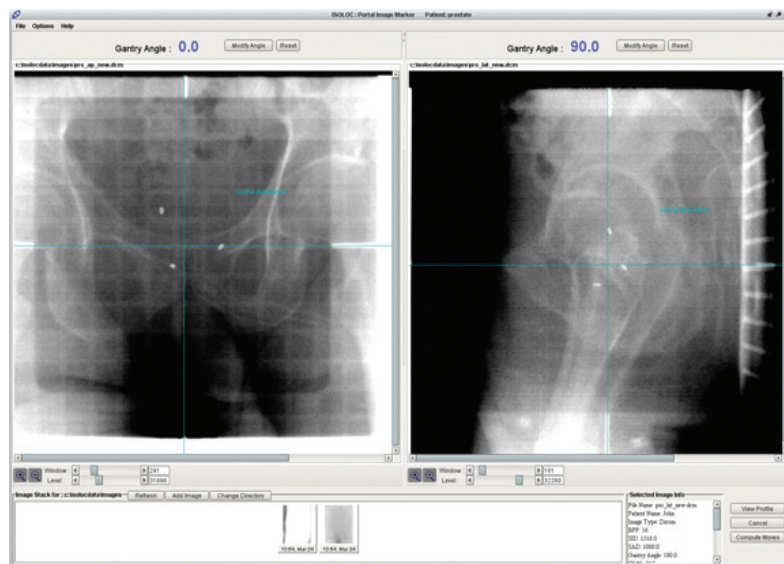
Academic Endorsement: UCSF, a leader in the radiation therapy community, has recognized and documented the inter-user variability of ultrasound guided localization and DRR/port film setups. They have decided to use the ACCULOC system specifically because of its objective, repeatable and efficient approach to image-guided localization.

Qualitative Results: ISOLOC does not require a high degree of user judgement. Using a mouse, the technical staff simply clicks on the gold markers in two portal images; the results are calculated and displayed.

Non-orthogonal Image Pairs: ISOLOC does not require orthogonal images. Any two angles separated by greater than 30° will work. This is extremely advantageous when locating markers in lateral images of patients with hip replacements and larger patients.

Indexed Central Axis Marker: Since the central axis marker does not appear in EPID images, the ACCULOC system includes a high precision central axis marker which is aligned by an engineer. This device provides a precise reference of the central axis on all portal images. Existing graticule markers are not as accurate and can often obscure the gold markers in the portal image.

Your clinic has invested hundreds of thousands of dollars in high tech medical equipment and software to achieve exquisitely conformal dose distributions. It is equally important to ensure the dose is in the correct location.



Customer Service/Sales: 800.842.8688 or 712.737.8688 | **Technical Support:** 866.851.4355 | **WWW.CIVCO.COM**

COPYRIGHT © 2006. CIVCO AND ACCULOC ARE REGISTERED TRADEMARKS OF CIVCO MEDICAL SOLUTIONS. ISOLOC IS A TRADEMARK OF CIVCO. ALL PRODUCTS MAY NOT BE LICENSED IN ACCORDANCE WITH CANADIAN LAW. 2006R-0053 REV. B