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Walk-through

This walk-through is intended to be an easy to follow step-by-step guide for a “standard clinical electron” set-up, design and order electron apertures. It should be noted that the values provided are not intended to represent clinical guidelines and in no way be considered a recommendation for values that are appropriate for clinical use. The intent is that after completing this walk-through the user will have gained the knowledge an understanding of many of the details and much of the information to complete a clinical electron set up utilizing the decimal3D App. With this information the user will be able to to complete the process using the clinical protocols and requirements for your facility to set-up a clinical electron treatment, design the electron aperture and then order the electron aperture from .decimal.

1. Have the physician outline the treatment area in the exam room
2. Open the decimal3D app on the iPad and login with user name and password

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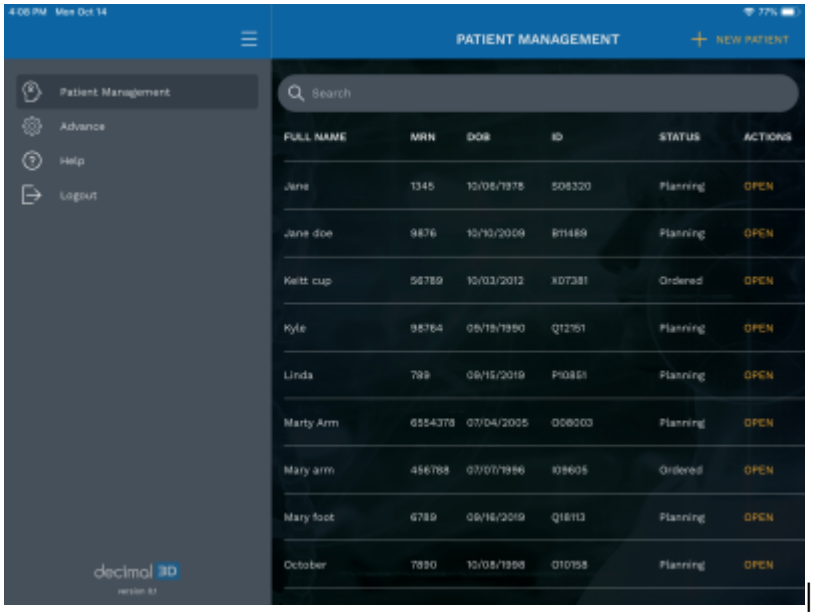
3. Bring the patient to the simulator or treatment room
4. Select *New Patient* in the top right hand of the Patient Management Screen



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5. Enter *Patient Name*

6. Enter *Date of Birth* from drop down  }}
7. Select patient *Gender* from drop down

8. Enter *MRN* (Medical Record Number)

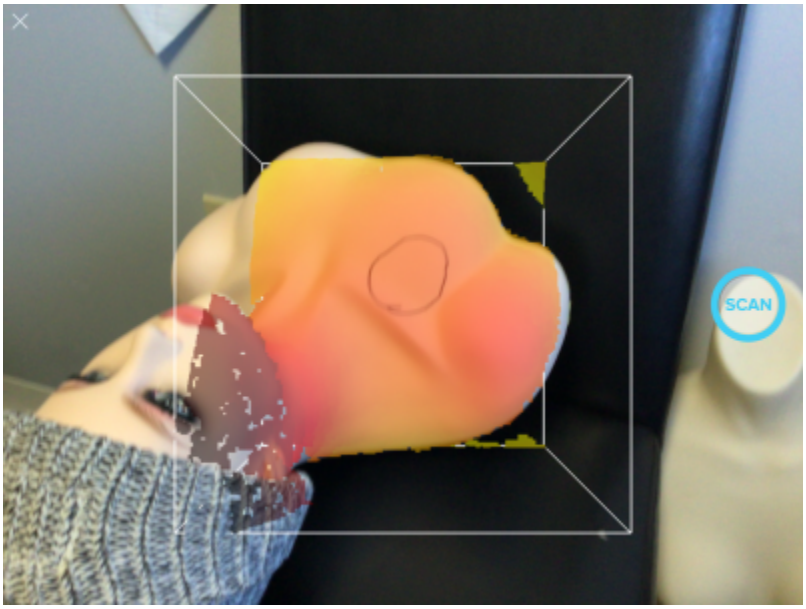
9. The user may select the enter the *Physician* if desired

10. Select *OK* that the patient is entered successfully

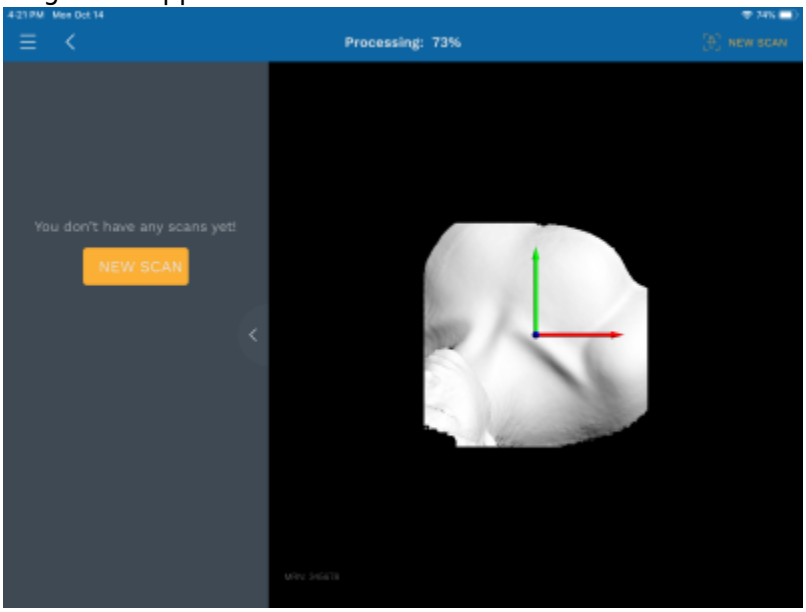
11. In the top right hand corner select *New Scan*

12. Select the *New Scan* button on the left hand side

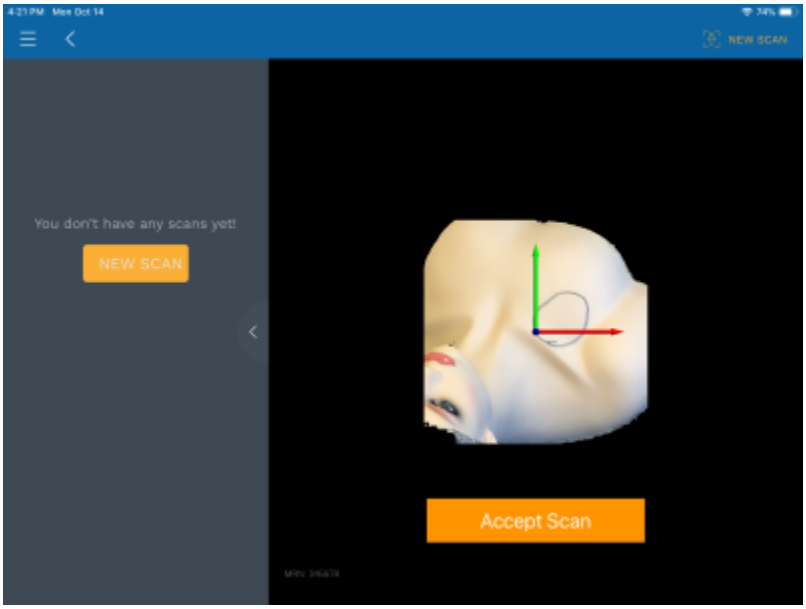
13. On the right hand side of the gantry/table with the iPad parallel to the floor and abut the iPad to the couch and press the *Align* button
14. Place the area to be scanned in the box. The area to be scanned should appear in all red. This will require the user to stand approximately a half meter away from the patient. A scan be obtained by either doing one short scan of the area to be treated or doing a more detailed scan obtaining a larger area, still including the area to be treated. Press the *Scan* button to start the scan. Then press again to stop the scan



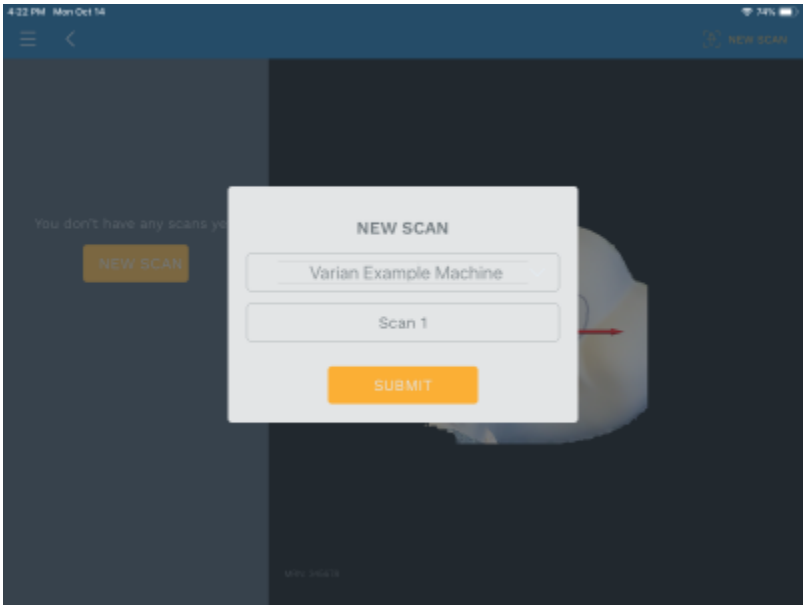
15. As the scan is rendering it will appear white



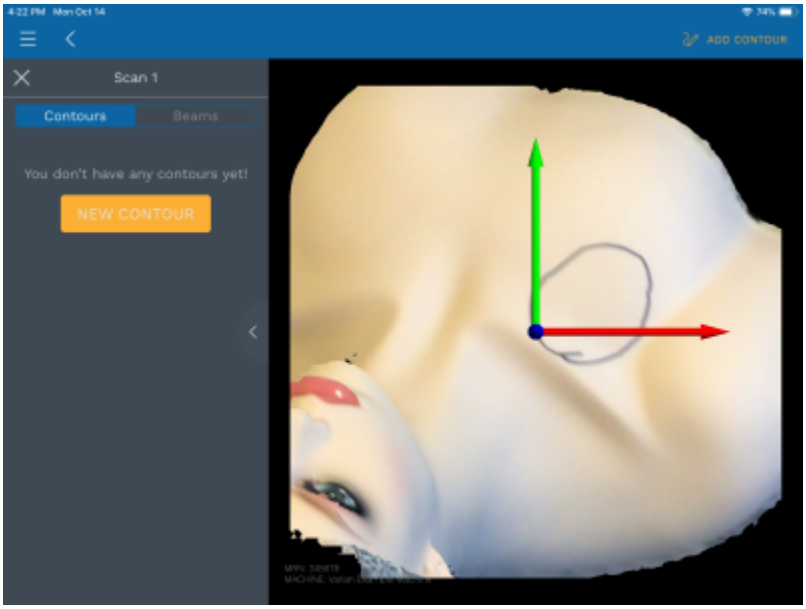
16. One the scan is done processing select the *Accept Scan* if the scan is acceptable



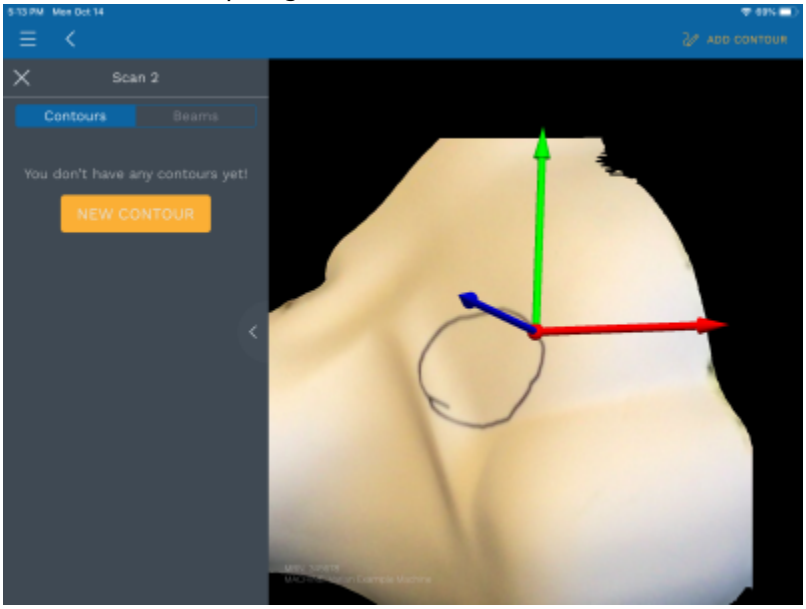
17. If it the scan is not acceptable select the *New Scan* button on the left-hand side to start a new scan
18. Choose the machine name from the scroll wheel. By default the first scan is labeled *Scan 1* (following scans are labeled consecutively). The user may choose to change the scan name if desired. Choose *Submit* when done



19. Select *New Contours*

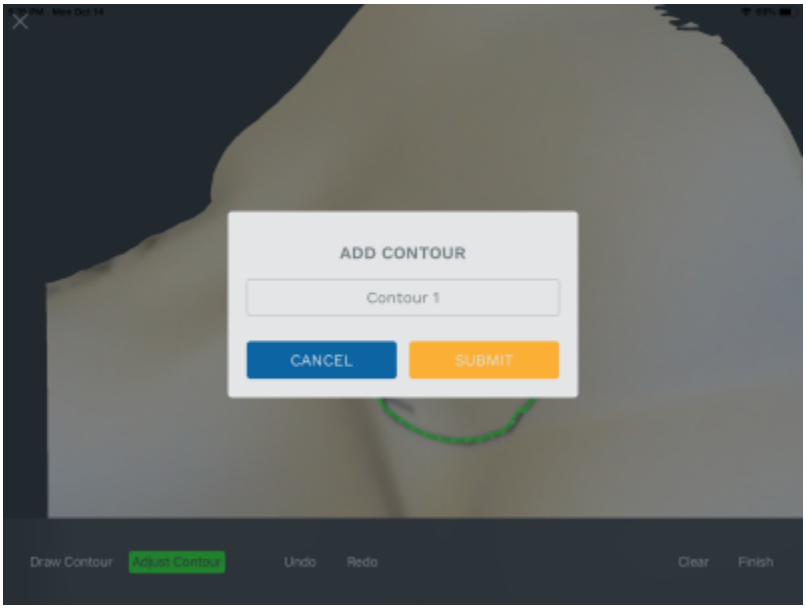


20. *Draw Contour* will be automatically selected on the next page. Using either the Apple Pencil or a finger dwell on the scanned image for a second and begin to digitize the area to be treated. The outlined traced area will now show up in green.

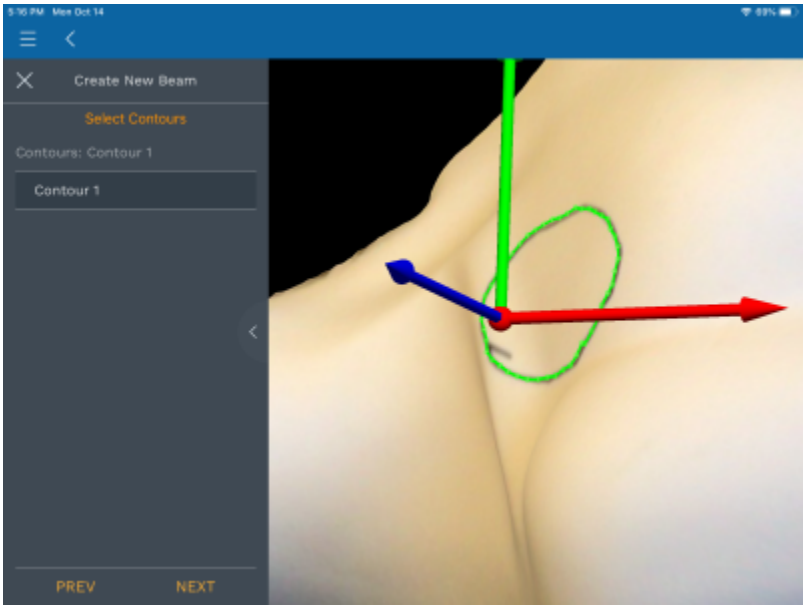


21. Once the user has completed the digitizing they may adjust the contour by selecting *Adjust Contour*. To do this the user needs to place the Apple Pencil or finger close to the area that needs to adjusted and slide it to where it should be

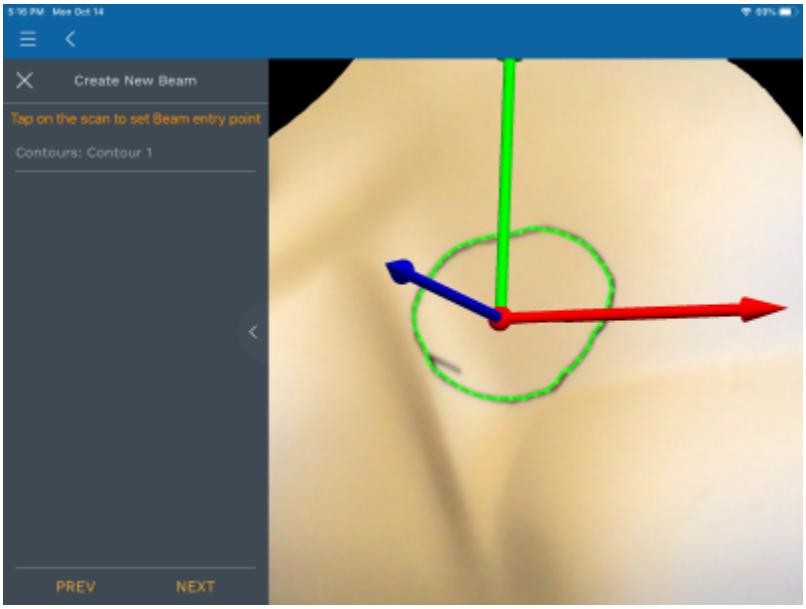
22. If the user is satisfied with select the *Finish* option on the right hand side of the screen. The user can now name the contour or leave the name at the default. Choose *Submit* when done



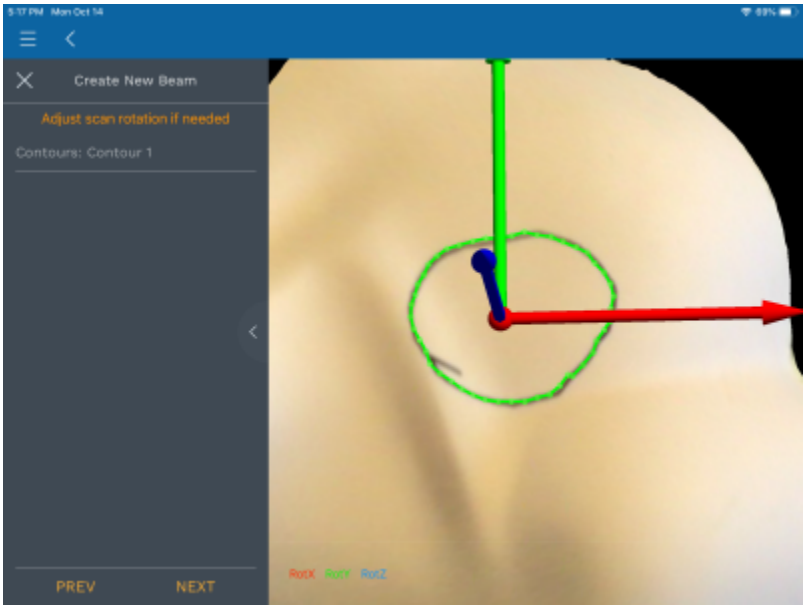
23. To create the beam user must first select contour they want to place the beam on and then select the orange *Next* in the bottom left of the screen



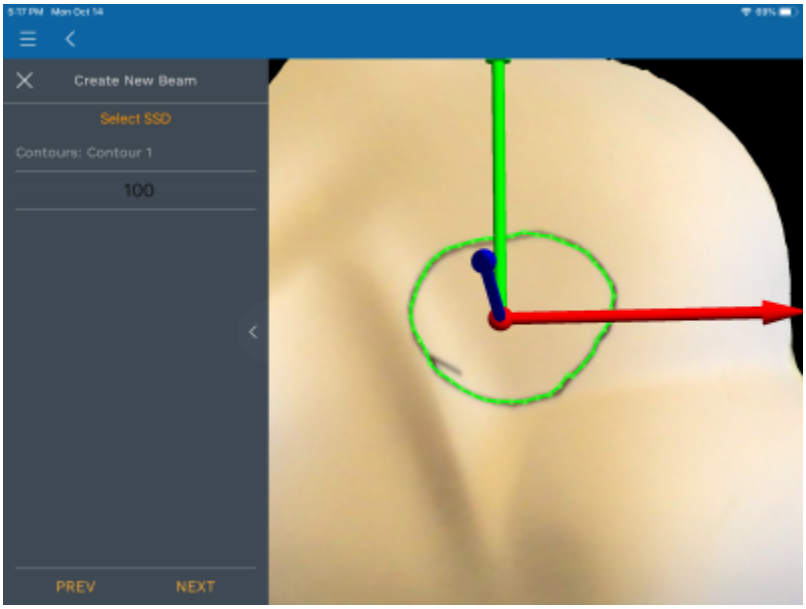
24. The user will then tap on the scan where they want to place the entry point and select the orange *Next*



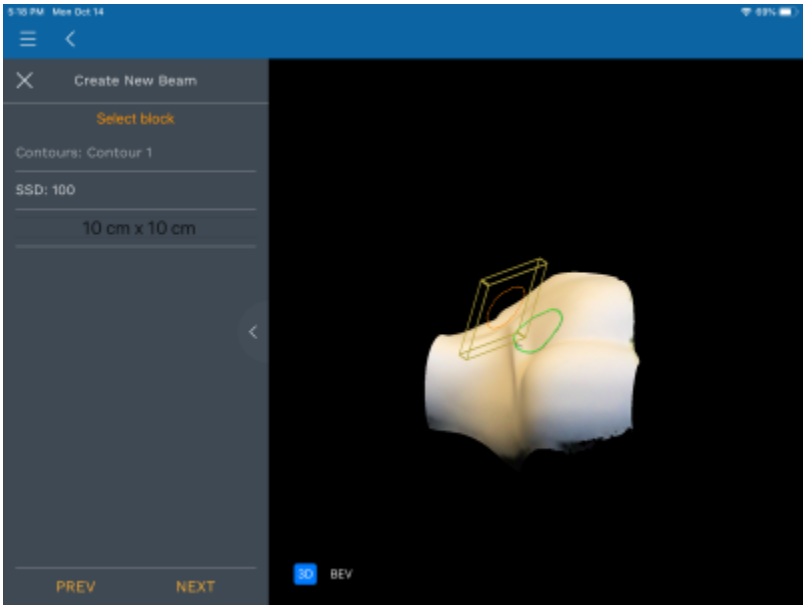
25. The user can then adjust the rotation as necessary to place the beam enface or in the appropriate position as desired and select the orange *Next*



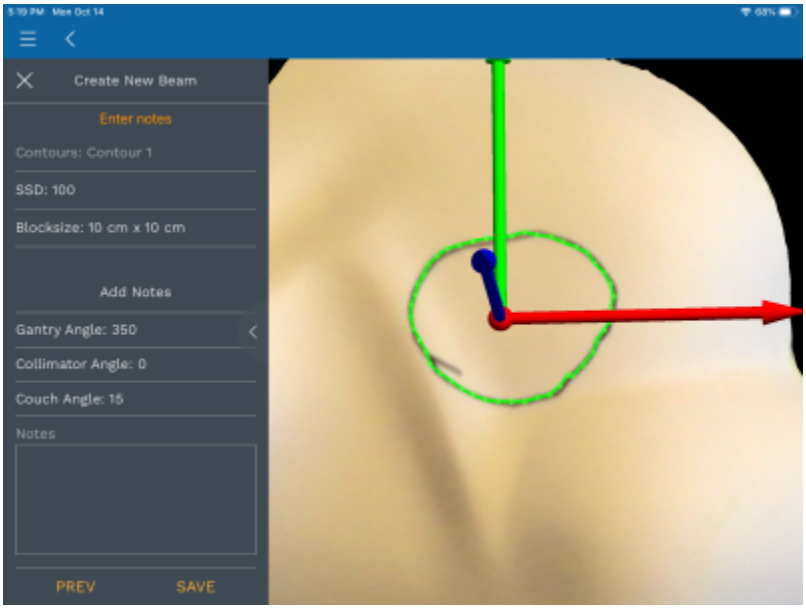
26. Choose the desired SSD. Then select the *Next*



27. The user can then adjust the cone size if desired. The smallest cone size will automatically be chosen. The user may also rotate the view to verify that collisions will be avoided



28. The user may then adjust any angles that need to be adjusted as well as fill in any free form text that needs to be sent to the Record and Verify (R&V) system. When the user is satisfied they may select *Save*and proceed to name the beam or leave the name at the default



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29. At this point the user may proceed to ordering the cutout
30. The user must select the shipping priority. Once this is done they may select *Done* and the information will be securely sent to .decimal and the cutout manufactured