

CAD/CAM in Year 1 Operative Dentistry:

Is that Possible?



Unique Presentation for Better Understanding:



Magnified Visualization of Intra-Oral Preparation:



Survey Statistics/Comments: Digital Dentistry

This is new-age dentistry and we should be learning this in our first year of dental school. I will more than likely be using this or even better technology once I graduate from Maryland, and having this experience may give me a competitive edge against a dentist that hash't used this technology. I hope, for the sake our education, this session and more CAD/CAM technology will be added into the curriculum.

This was the best elective I took by far. I think it would be really helpful too if they could open it up to more students. I think this course was amazing, but I think if we could image each others' mouths (clinical setting), instead of a typodont for the 2nd class, that would be very cool. Dr. Bloom and Dr. Hack really did an amazing job with this elective.

This course was extremely beneficial. Digital dentistry is going to be a big part of our generations' careers. We need to learn what technology is out there, it's capabilities, and how to utilize the technology. This course was very helpful to open that door, but I wish we had more time and exposure. This was a great course and I would recommend it to all students!

Class 2 Amalgam Preparation:



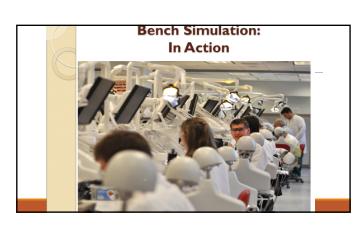
Comments: Digital Dentistry

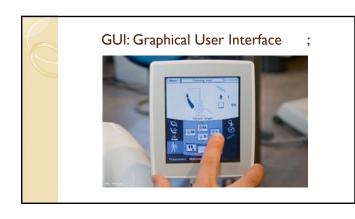
This elective was one of the most interesting and useful courses these past two years due to the fact that us students really need to know how to work in the digital world. CADCAM is going to replace many of the traditional methods of fabricating restorations and I was glad to learn a lot more about that in this course

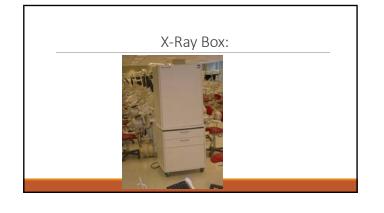






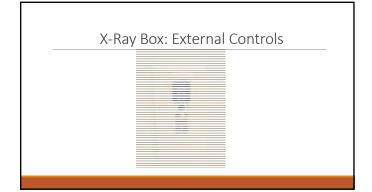


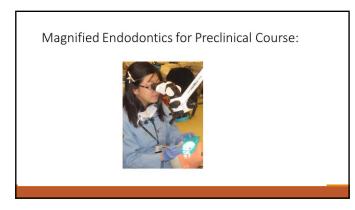




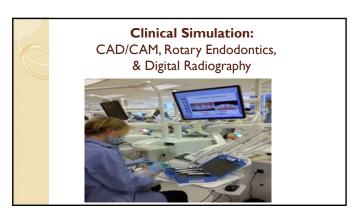




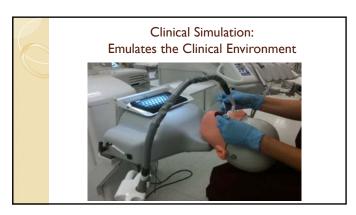






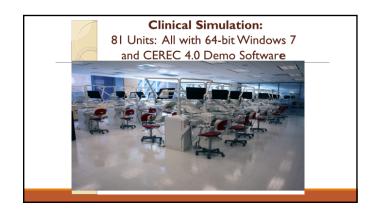






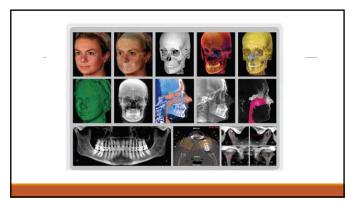


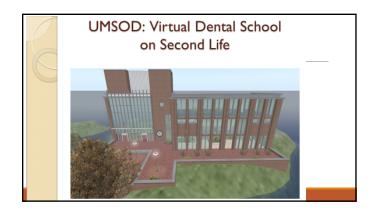




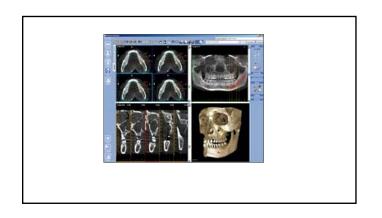


















Simodont



Comments: Simodont

Thank you for this experience. As someone who has never used a hand piece or taken a single dentistry related class, I was surprised by how easy the simulator was to pick up. I was amazed by the resistance I felt while I moved the hand piece along the grooves I had created in the virtual structure. I truly felt as if there was an object that I was shaving away beneath my hands. Some concerns were raised by the other students such as a lack of finger rest and the fact one can approach the tooth/object at any angle, so there is no way to simulate the cheek of the patient. I believe this is a great and exciting technology and although it may not be used in place of the manikins, I think much could be gained by having this at our school. I know that I will feel more confidence when I go to work on a practice tooth for the first time. (Perspective student)

I thought that the Simulation Trainer was most helpful that it gives you different resistance when drilling enamel and dentin, this is something that you do not feel when drilling in pre-clinic. However as I stated it does not provide a finger rest and you do not have the simulation of cheeks which you have in pre-clinic. So there some pros and cons. But I do think that it has use here at the dental school. (Student)

The technology was incredible. Thank you so much for letting me be the first to try it!

I think that the Trainer could be very useful in simulating what enamel vs. dentin vs. pulp feel like when we are
drilling. I feel this is especially important because as D1s and D2s, the D3s and D4s would always say that drilling in
a typodont is nothing like drilling in a real tooth. Additionally, it is great practice for perfecting hand-skills because
the simulation is incredibly accurate and it is like you are actually touching a real tooth. With the new technology,
it also makes it exciting to use, and the numerical feedback from a session is helpful in seeing where you can

Electric Handpieces with Scanning tabs:



The technology was incredible. Thank you so much for letting me be the first to try it!

I think that the Trainer could be very useful in simulating what enamed vs. dentin vs. pulp feel like when we are drilling. I feel this is especially important because a DLs and DSs, the DSs and DSs would always say that drilling in a hypodor is nothing like drilling in a real tooth. Additionally, it is great practice for perfecting hand-distlic because the similation is nerellily screate and it is like you are actually bucching a real tooth. With the ordering of the ordering the properties of the design of of the de

Additionally, if they could add models that are more representative of real teeth and different types of occlusions, rather than the ideal/perfect typodorn we use, it would help prepare us for the real world. It could also help train us in using the mirror for indirect vision. Perhaps the engineers could add restrictions of the patients' moment so that we are used to how far we can till the head so we can work on our ergonomics and perfect how to hold our instruments.

I did didlike the fact that I can't wear incluses, especially since you do need to get used to wearing them for some period of time. The bar that was also present made it difficult to maneuver a bit, yet at the same time, I could not find a comfortable fulcrum.

This would be difficult to incorporate into the current curriculum, but perhaps it could be an extracurricular/after school lab project, where people could sign up every now and then or if they finished another lab project early. If possible, it could be incorporated into the curriculum like the endo-scopes. Grougo can rotate through the section during their operative lab. I hope this helped. Please let me know if there is anything else I can provide. Thank you again!



