



Implant Dentistry @ HKU

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香港大學
THE UNIVERSITY OF HONG KONG

Studies of the impact of different methods of preclinical simulations of Impacted Mandibular Third Molar (IMTM) Extraction on the knowledge and clinical competences of dentists

Pilot test -Survey AM3D Model (General Practitioner):

No. _____

1. Year of graduation

2. Number IMTM cases performed before (tick the below box):

0-5	6-10	11-15	More than 15

3. Please assess the *realism* of the **visual appearance** of the anatomic structures:

e.g. the anatomic shape and color of teeth and adjacent structures (e.g. soft tissues).

- How close to physiological human structures does the model **look** in your experience?

	1=not realistic	2	3	4	5=very realistic
Teeth					
Crown					
Roots					
Soft Tissues					
Contour					
Color					
Bone					
Contour					
Color					
Nerve					

4. Please assess the *realism* of the feel/manipulation, consistency and texture of teeth, soft tissues, nerve/vessel bundles and bone when using instruments

e.g. the resistance to drilling, surgical manipulation, elasticity or consistency soft tissues

- How close to physiological human structures do the procedures in the model **feel** like in your experience?

	1=not realistic	2	3	4	5=very realistic
Teeth					
Crown					
Roots					
Soft tissues					
Bone					
Nerve					

5. Please assess the *effectiveness* of AM3D printed model in your learning.

- How much could this exercise help you learn the actual competences required to perform this procedure?

Parameters	1=not effective	2	3	4	5=very effective
Practicing surgical skills					
Assessment of surgical difficulty of the case					

6. Please assess the *efficiency* of AM3D printed model in helping you learn specific skills as below:

Parameters	1=not efficient	2	3	4	5=very efficient
3D understanding of the anatomy					
Flap design					
Flap elevation					
Bone removal					
Applying the elevator					
Tooth section					
Tooth removing					
Suturing					

7. Can you please name any other benefits you see in this simulation exercise?

8. Can you please name any areas of improvement or deficiencies of this simulation exercise?

“End of the Survey”