



# 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
<b>Teeth</b>					
Crown					
Roots					
<b>Soft Tissues</b>					
Contour					
Color					
<b>Bone</b>					
Contour					
Color					
<b>Nerve</b>					

**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
<b>Teeth</b>					
Crown					
Roots					
<b>Soft tissues</b>					
<b>Bone</b>					
<b>Nerve</b>					

**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”