

groups of students

Class	Theoretical examination score	Gypsum tooth carving score	Total score
Students matriculated in 2014 (22)	87.28±4.85	83.18±4.51	85.23±3.46
Students matriculated in 2016 (23)	86.26±6.01 (P=0.575)	87.57±4.55 (P=0.002)	86.91±3.97 (P=0.127)

Table 2 Questionnaire survey results of students who matriculated in

Question	Options			
1. Do you think the pictures in the textbook can clearly express the morphological characteristics of the teeth?	Absolutely 0%	Mostly 13.04%	Somewhat 43.48%	Not at all 43.48%
2. Are you fully aware of the names and locations of the anatomical structures in the pictures?	Absolutely 0%	Mostly 39.13%	Somewhat 56.52%	Not at all 4.35%
3. Can you find the text that corresponds to the pictures?	All 0%	Mostly 34.78%	Somewhat 65.22%	Not at all 0%
4. Do you think the teaching aids and video animation are helpful in understanding the	Very helpful 60.87%	Mostly helpful 30.34%	Less helpful 8.69%	Not helpful 0%

anatomy of teeth?				
5. Do you think the 3D-printed tooth models are helpful in mastering the anatomy of teeth in class?	Very helpful 78.26%	Mostly helpful 17.39%	Less helpful 4.35%	Not helpful 0%
6. Do you think the 3D-printed tooth models are helpful for carving the plaster teeth?	Very helpful 86.96%	Mostly helpful 4.35%	Less helpful 8.69%	Not helpful 0%
7. What do you think are the advantages of a 3D-printed dental model? (multiple choice)	It is more stereoscopic than pictures in textbook 91.30%	The anatomical morphology and features are clear. 73.91%	It could be used as a direct sample when carving. 100%	It facilitated the direct comparison between different teeth 86.96%