

Supplementary Material

1 Dental Crown View Rendering

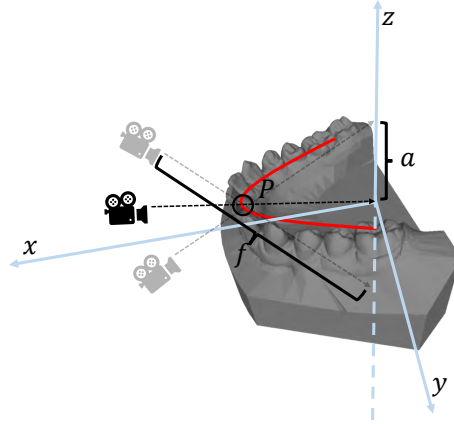


Fig. 1: The process of selecting a dental crown view point. Firstly, a point P is selected on the regressed dental arch curve. Then, a camera is placed by setting appropriate parameters a and f .

2 Detailed Ablation Study

Table 1: Label-wise ablation study. PA (prompt augmentation), DCP (dental crown prior), VDI (view-aware diffusion intensity).

Row	Settings			Label-wise DSC							
	PA	DCP	VDI	Gi	I ₁	I ₂	Ca	P ₁	P ₂	M ₁	M ₂
1	-	✓	✓	0.889	0.908	0.907	0.903	0.921	0.920	0.918	0.858
2	✓	-	✓	0.910	0.922	0.919	0.929	0.923	0.928	0.927	0.862
3	✓	✓	-	0.891	0.909	0.906	0.917	0.907	0.911	0.913	0.850
4 (Ours)	✓	✓	✓	0.915	0.926	0.920	0.930	0.925	0.930	0.934	0.865