

APPENDIX B – PPE and Aerosol Risk Mitigation Templates

Management of Aerosol Production in Dental Procedures (Table taken from UAB SOD)

Procedure	Aerosol generation	Mitigation
<u>Intraoral</u>		
Piezoelectric / Ultra-sonic scaling	High	Use hand scaling when possible
Polishing following prophylaxis	Medium (lower RPM)	Non-rotary alternative when possible
Tooth preparation (operative, crown & bridge)	High	Defer if possible, else use pre-rinse, rubber dam (if possible), high-volume evacuation, four-handed delivery when possible
Caries removal, endodontic rotary procedures, restoration/prosthesis finishing & polishing	Medium (lower RPM)	Use pre-rinse, rubber dam (if possible), high-volume evacuation, four-handed delivery when possible If a patient is unable to tolerate the rubber dam with HVE, consider reappointing the patient to be seen with anxiolysis provided under minimal sedation.
Orthodontic regular visit (adjustment, arch wire changes)	Low	Strict adherence to universal precautions
Orthodontic bonding and debonding of fixed appliances/attachments	High	Adherence to strict established protocols appropriate to procedure including evacuation, four-handed assisting or equivalent when possible
Surgical rotary procedures (complex exodontia, osseous contouring, endosteal devices, etc.) in an open surgical field	Medium (lower RPM)	Adherence to strict established protocols appropriate to procedure including evacuation, four-handed assisting or equivalent when possible
<u>Extraoral</u>		
Prosthetic adjustments with multiple intraoral entries/removals within operatory (e.g., occlusal adjustment of provisional crown, denture adjustment, etc.)	Medium (lower RPM)	Upon removal, rinse with copious H ₂ O in operatory sink, all adjustments with high-volume evacuation, avoid air/water spray when possible.
Prosthetic adjustments with minimal intra-oral entry/removal, or adjustment outside of operatory	Medium (lower RPM)	Disinfection per SOD Infection Control Plan prior to removal from operatory. Strict adherence to laboratory protocols and donning/doffing PPE procedures.