University of Louisville School of Dentistry Protocol: PPE Requirements/COVID-19

University of Louisvine School of Dentistry Protocol: PPE Requirements/COVID-19					
Risk Level	Low	Low	Moderate	High	High
Procedure Type	Non-Patient Care	Non-Aerosolizing Extraoral/ <u>Limited</u> Intraoral Procedure	Non-Aerosolizing <u>Prolonged</u> Intraoral Procedure	Aerosolizing	Non-Aerosolizing, Prolonged Intraoral Procedure, or Aerosolizing
		All Patients	Adult Patients	Adult Patients	Pediatrics and Patients with Special Needs
Pre-procedural Screening	Negative for all screening criteria*	Negative for all screening criteria*	Negative for all screening criteria*	Negative or positive for any screening criteria*	Negative for all screening criteria*
Example Activity	Scheduling Administrative work Office work Walking in halls Meetings Seminars/class Pre-clinical labs	Patient temperature Medical history Extraoral radiographs Intraoral photos	All non-aerosol producing procedures	All procedures	All procedures
Mask Level**	ASTM Level I-III Extended Use (1/day)	ASTM Level I-III Change between patients	ASTM Level I-III Change between patients	Level III and/or N-95 Multi-use*** or PAPR device	Level III and/or N- 95 Multi-use*** or PAPR device -95 Multi-use*** or PAPR device
Protective Eyewear with side shields	-	+	+	+	+
Face Shield (multi-use, clean between patients)	-	-	+	+	+
Gown	-	+	+	+	+
Gloves	-	+	+	+	+
Surgical Cap/Bouffant	-	-	-	+	+
Shoe Covering	-	-	-	+	+

^{*}When possible, order and wait for COVID-19 test results before completing any aerosolizing procedure or non-aerosolizing procedures that involve prolonged intraoral exposure. A negative COVID-19 test is accepted by ULSD for up to 72 hours prior to an aerosol-generating procedure. ULSD strongly recommends a shorter window of 24-36 hours. Accepting a negative test result of more that 36 hours must be based upon clinician risk-assessment for the specific patient and clinical judgement.

**Level 1: Low barrier. Designed for procedures with a low amount of fluid, blood, aerosol exposure, or spray. Particle filtration efficiency @ 0.1 micron is ≥95%. (A COVID-19 virus particle is spherical with an approximate diameter of 0.125 microns.) Resistance to penetration by fluid under pressure is 80 mm Hg.

Level 2: Moderate barrier. Suitable for procedures with a light to moderate amount of blood, fluid, aerosols, or spray. Particle filtration efficiency @ 0.1 micron is >98%. (A COVID-19 virus particle is spherical with an approximate diameter of 0.125 microns.) Resistance to penetration by fluid under pressure is 120 mm Hg.

<u>Level 3</u>: High barrier. Ideal for procedures with a moderate to high amount of blood, fluid, aerosols, or spray. Particle filtration efficiency @ 0.1 micron is >98%. (A COVID-19 virus particle is spherical with an approximate diameter of 0.125 microns.) Resistance to penetration by fluid under pressure is 160 mm Hg.

***When using an N-95 mask for multiple patients, place a regular surgical mask over it. At the conclusion of a procedure, dispose of the regular surgical mask.