Appendix A

Infection Prevention Risk Assessment and Infection Prevention Mitigation Plan including Preventive Measures Checklist for Medical Center Construction and Renovation

Instructions for Completing the Checklist

Table A describes the type of construction activity. The type of "Construction Activity" is first identified by selecting the level of activity that best describes the project being planned.

Table B identifies the "Population and Geographic Risk Group" that may be affected by the project because of its physical proximity or potential exposure to the activity.

Table C identifies the appropriate class of infection prevention measures by matching the construction activity with the population risk group. As indicated in Table C, the appropriate dust mitigation measures for the project are identified. A copy will be reviewed and approved by HEIP and filed by Design and Construction or Facilities Management for all Class III and IV categories. Adaptations to the prevention measures may be made only after approval has been provided by HEIP.

Construction compartment negative air monitoring

- A. If required for the project, negative air pressure must be monitored at all times during the duration of the project and documented daily by Design and Construction.
- B. If positive or neutral air pressure is identified, work must be suspended, barrier investigation must be completed, and negative air pressure restored before resuming work.
- C. When the option to vent the exhaust of the HEPA filter unit is determined either not to be feasible or necessary, the Project Manager in consultation with HEIP and Facilities Management may conclude that the HEPA unit be used as a "scrubber only".

A copy of the Infection Prevention Risk Assessment and Mitigation Plan must be sent to HEIP when matrix indicates Class III or Class IV preventive measures are required.

UCSF Medical Center

HOSPITAL EPIDEMIOLOGY AND INFECTION PREVENTION : Guidelines for Construction/Renovation/Demolition Projects and Environmental Control of INVASIVE FUNGAL INFECTION AND OTHER NOSOCOMIAL INFECTIONS

Infection Prevention Risk Assessment

Project # and Location:			Original Project Start D	ate:	Project End Date:					
Project Manager (PM):			Contractor(s):		Infection Preventionist (IP):					
PM's phone number:			Contractor's phone num	nber:	IP's phone number:					
Comments:										
Table A Type of Construction Activity										
Type A	Inspection and non-invasive activities. These include, but are not limited to:									
Type A removal of ceiling tiles for inspection (up to 4 sq. feet)										
	movement of equipment, building structures, etc. for visual inspection									
	□ painting (but not sanding)									
	putting up wall covering, electrical trim work, minor plumbing, and activities which do not generate dust or require cutting of walls or access to ceilings other than for visual inspection.									
	Small scale, short duration activities that create minimal dust. These include, but are not limited to:									
Type B			lecommunications cabling							
		access to chase a	-							
	[or ceiling where dust migration can be o	control	led.					
	Wor				molition or removal of any fixed building components or					
Type C	assemblies (e.g., counter tops, cupboards, sinks). These include, but are not limited to:									
	\Box sanding of walls for painting or wall covering									
	removal of floor and wall coverings, baseboards, ceiling tiles and casework									
	new wall construction									
	□ minor duct work or electrical work above ceilings									
	\Box major cabling activities									
	any activity which cannot be completed within a single work shift.									
Type D	Major demolition, construction and renovation projects. These include, but are not limited to:									
Type D			require consecutive work shifts	:						
			n or removal of a complete cabling syste	em is r	equirea					
Table B Popul	-	new construction and Geographic Ris								
GROUP		GROUP 2	GROUP 3		GROUP 4					
LOWEST R		MEDIUM RISK	HIGH RISK		HIGHEST RISK					
□ Office area	as	Lobby	Emergency Department		All Critical Care areas					
Administra	ative	Cafeteria	□ Radiology/CT scan		Comprehensive Cancer Center					
areas		Clinical Labs	\Box Labor and Delivery		Peri-operative areas (including PACU, L&D OR)					
Areas not used			□ Well Baby Nurseries		Sterile Processing					
for patient			Pediatrics Med/Surg		Cardio-Pulmonary Acute Care Units					
care, patient holding or			□ Nuclear Medicine		Cardiac Catheterization & Angiography areas					
transport of			□ Admission/Discharge area		Dialysis areas					
patients			□ Rehabilitation Therapy		Inpatient Oncology & Bone Marrow Transplant Units					
			Echocardiography		Endoscopy areas					
			General Medical/Surgical Units		Pharmacy admixture areas					
			□ Outpatient Care Clinics		Ambulatory Surgery Center					
<u> </u>					Pediatric Treatment Center					
Permit Request By: (PM)					ermit Authorized By: (ICP)					
Date:					ate:					
L										

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HOSPITAL EPIDEMIOLOGY AND INFECTION PREVENTION : Guidelines for Construction/Renovation/Demolition Projects and Environmental Control of INVASIVE FUNGAL INFECTION AND OTHER NOSOCOMIAL INFECTIONS

Infection Prevention Risk Mitigation Plan and Preventive Measures Checklist

Project # and Location		Original <u>Project</u> Start Date			Project End Date:		
Project Manager (PM	I):	Contractor(s):			Infection Preventionist (IP):		
PM's phone number:		Contractor's phone number:			IP's phone number:		
Please check the IC	RM Plan for the project detern	ined by the ICRA					
	1. Execute work by metho		3.		liately remove incidental dust	using HEPA vacuum or	
CLASS I	generating dust from co		4.		dusting.	C. 1	
_				Clean	an work area upon completion of task.		
	visual inspection.		7.	~			
CLASS II		1 1			nstruction workers will vacuum clothes with HEPA Vacuum fore leaving work area.		
CLASS II		construction begins. Provide active means to prevent dust from			Contain construction waste before transport in covered		
(includes Class I)		Provide active means to prevent dust from dispersing into atmosphere			contain construction waste before transport in covered		
(includes Class I)		 Water mist work surfaces to control dust while cutting. 				d/or vacuum with HEPA filtered vacuum before	
					work area.		
—						sive walk-off mats inside work area (and outside of	
	5. Air vents may require se	ealing; consult w/			rea if safety allows).		
	Facilities Mgmt.		11.		g or wall access outside constr		
	6. Wipe surfaces with disin				te enclosure (permit required)		
	1. Seal air vents and Isolat		5.		t remove barriers from work a		
CLASS III	where work is being do	ie. Consult with project	6. 7		nm work with HEPA filtered v nop with disinfectant.	/acuum	
(includes Class II)	specifications. 2. Complete all critical bar	riers or implement portable	7. 8.		ve barrier materials to minimi	ze dirt and debris	
(includes Class II)	mitigation unit before co		9.		en construction waste before t		
	3. Seal all holes, pipes, co			contai			
	appropriately.	F	10.		mpling required for work perf	formed for Groups 3 and 4	
	4. Maintain negative air pr	essure within work site			ations and geographic risk gro		
Initial	utilizing HEPA-equippe	d air filtration units.			ving criteria:		
					ects lasting > 2 weeks duration		
					jects requiring repair of water		
				duratio	damage has been present for > on.	/2 nrs. or unknown	
		nt, exposed wall or ceiling	5.		remove barriers from work a		
CLASS IV	space must be sealed.	-			spected by Design and Construction or Facilities Management		
(includes Class III)	2. Construct vestibule and				epresentatives and thoroughly cleaned. Remove barrier materials		
	vacuum off in this room		6.		mize dust and debris.		
		cleaner before leaving work site. Alternatively, they can wear cloth or paper coveralls that are removed			pon completion of work, remove isolation of HVAC system in reas where work is being performed. Follow established		
Initial	each time they leave the				ures for re-starting HVAC or		
mitiai	3. Continuous Differential	Pressure Monitoring	7			required to wear shoe covers.	
	required for Groups 3 an	d 4 populations and	<i>,</i> .			ime the worker exits the work	
	geographic risk groups.			area.			
	4. Air Sampling required for						
	populations and geograp	hic risk groups.					
Exceptions/Add	litions to this permit are noted be	low or by attached memorand	a		Date	Initials	
Permit Request By: (PM		Date: Permit Authorized By:				(ICP) Date:	
		Permit Expi	ration	Date:	(Permit expires 90	0 days from above date)	

Infection Control Risk Assessment and Infection Control Mitigation Plan including Preventive Measures Checklist for Medical Center Construction and Renovation



Appendix A

Table C: Construction Activity and Risk Group Matrix

CONSTRUCTION	TYPE	TYPE	TYPE	TYPE
ACTIVITY→	"A"	"В"	"С"	"D"
RISK LEVEL				
\downarrow				
Group 1	Class I	Class II	Class II	Class III/IV
Group 2	Class I	Class II	Class III	Class IV
Group 3	Class II	Class III	Class III/IV	Class IV
Group 4	Class III	Class III/IV	Class III/IV	Class IV

*Designation of Grouping for any location may be changed at the discretion of HEIP

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