

Draft proposal for audit of components of ischaemia time in Adult Lung Transplantation

Event Times (on audit form)	DBD Cold Storage Interval		
DCD agonal phase start [Systolic <50]			
DCD cessation of donor heart beat mechanical cardiac arrest			
DBD aortic cross clamp	A }	Explant Ischaemia time	<XX mins
lung(s) placed on ice in transport box and out of theatre			
Lung(s) reperfused on OCS	B }	Transport time	
Arrival in recipient OR			
Lung(s) out of ice	C }	Preparation time	<YY mins*
Lung(s) on EVLP rig at recipient site			
Lung(s) off OCS rig	D }	implant time	< ZZ min
Lung(s) off EVLP rig			
Aortic cross clamp removed in recipient			

Transport
time

DBD OCS Interval		
A }	Explant ischaemia time	<XX mins
B }	Machine perfusion time	(NA)
C }	Implant time	<ZZ mins

Transport
time

DCD OCS Interval		
A }	Agonal ischaemia	(<?)
B }	Explant ischaemia time	<XX mins
C }	Machine Perfusion time	(NA)
D }	implant time	<ZZ mins

Total ischaemia time	A+B+C+D < ? mins	A+C < ? mins	B+D < ? mins
Extracorporeal time	A+B+C+D	A+B+C	B+C+D

Event Times (on audit form)	DCD Cold Storage Interval		
DCD agonal phase start [MAP <50]	A }	Agonal ischaemia	(<?)
DCD cessation of donor heart beat			
DBD aortic cross clamp	B }	Explant Ischaemia time	<XX mins
lung(s) placed on ice in transport box and out of theatre			
Lung(s) reperfused on OCS	C }	Transport time	
Arrival in recipient OR			
Lung(s) out of ice	D }	Preparation time	<YY mins*
Lung(s) on EVLP rig at recipient site	E }	implant time	< ZZ min
Lung(s) off OCS rig			
Lung(s) off EVLP rig			
Aortic cross clamp removed in recipient			

DBD EVLP Interval		
A }	Explant Ischaemia time	<XX mins
B }	Transport time	
C }	Preparation time	<YY mins*
D }	Machine perfusion time	(NA)
E }	Implant time	<ZZ mins

DCD EVLP Interval		
A }	Agonal ischaemia	(<?)
B }	Explant ischaemia time	<XX mins
C }	Transport time	
D }	Preparation time	<YY mins*
E }	Machine perfusion time	(NA)
F }	Implant time	<ZZ mins

Total ischaemia time	B+C+D+E < ? Mins		A+B+C +E < ? mins		B+C+D+F < ? mins
Extracorporeal time	B+C+D+E		A+B+C+D+E		B+C+D+E+F