

Table A – Primary Clinical Perfusion Activities (PCPA)

Primary Clinical Perfusion Activities (PCPA)	Clinical Definition	Core Elements
1P Cardiopulmonary Bypass (CPB), Primary	A Certified Clinical Perfusionist (CCP) who is the primary operator of the heart-lung machine, used during cardiac surgery and other surgeries that require extracorporeal circulation, used to manage the patient's physiological status.	Blood pump, reservoir, heat exchanger, oxygenator, extracorporeal circuit used accordingly with hemodynamic/lab value monitoring
2P Instructor CPB Bypass, Primary	A Certified Clinical Perfusionist (CCP) who serves as a clinical instructor to a student enrolled in an accredited perfusion program during primary clinical perfusion activities that require extracorporeal circulation, used to manage the patient's physiological status.	Blood pump, reservoir, heat exchanger, oxygenator, extracorporeal circuit used accordingly with hemodynamic/ lab value monitoring. Primary clinical perfusion activities (PCPA) performed as clinical instructor in an accredited program are considered a primary perfusion activity and will receive full case credit. During clinical instruction in which the student is operating extracorporeal circulation equipment, there must be direct one-to-one supervision by the clinical instructor. Students may also receive credit toward certification eligibility for the same case.
3P Extra-Corporeal Membrane Oxygenation (ECMO), Primary	A Certified Clinical Perfusionist (CCP) who is the primary operator of Extra-Corporeal Membrane Oxygenation (ECMO) circuit that provides life support for respiratory and/or cardiac failure.	Extracorporeal circuit, oxygenator, heat exchanger used accordingly with hemodynamic/lab value monitoring. For each ECMO case, one case credit per 24 hours will be awarded for initiating and bedside managing ECMO (4-hour minimum) or bedside managing (6-hour minimum). No simultaneous credit will be awarded for managing multiple ECMO patients in this time period.
4P Isolated Limb/Organ Perfusion, Primary	A Certified Clinical Perfusionist (CCP), who is the primary operator of an extracorporeal device used to deliver anticancer drugs directly to an arm, leg, or organ that manages the patient's physiological status.	Reservoir, blood pump, heat exchanger, oxygenator, extracorporeal circuit used accordingly with hemodynamic, temperature, and lab value monitoring.
5P Veno-Venous or Left Heart Bypass, Primary	A Certified Clinical Perfusionist (CCP) who is the primary operator of an extracorporeal device, used to perfuse specific vascular regions within the circulatory system.	Blood pump, extracorporeal circuit used accordingly with hemodynamic/lab value monitoring.
6P Ventricular Assist Device (VAD), Primary	A Certified Clinical Perfusionist (CCP) who is the primary operator of the Ventricular Assist Device (VAD) that provides cardiac support for the failing heart.	For each VAD case, one case credit per 24 hours will be awarded for initiating and managing VAD or bedside managing (6-hour minimum). No simultaneous credit will be awarded for managing multiple VAD patients in this time period.