

Appendix 1. Search query

PubMed

("Heart-Assist Devices"[Mesh] OR "Heart assist device"[All Fields] OR "Heart-assist device"[All Fields] OR "Heart assist devices"[All Fields] OR "Heart-assist devices"[All Fields] OR "Extracorporeal Membrane Oxygenation"[Mesh] OR "ECMO"[All Fields] OR "ecmo"[All Fields] OR "extracorporeal membrane oxygenation"[All Fields] OR "extracorporeal membrane oxygenations"[All Fields] OR "extra-corporeal membrane oxygenation"[All Fields] OR "extra-corporeal membrane oxygenations"[All Fields] OR "extra corporeal membrane oxygenation"[All Fields] OR "extra corporeal membrane oxygenations"[All Fields] OR "extracorporeal membrane-oxygenation"[All Fields] OR "extracorporeal membrane-oxygenations"[All Fields] OR "ECLS"[All Fields] OR "extracorporeal life supports"[All Fields] OR "extracorporeal life support"[All Fields] OR "extra-corporeal life support"[All Fields] OR "extra-corporeal life supports"[All Fields] OR "extra corporeal life support"[All Fields] OR "extra corporeal life supports"[All Fields] OR "extracorporeal circulatory support"[All Fields] OR "extracorporeal circulatory supports"[All Fields] OR "extra corporeal circulatory support"[All Fields] OR "extra corporeal circulatory supports"[All Fields] OR "extra-corporeal circulatory support"[All Fields] OR "extra-corporeal circulatory supports"[All Fields] OR "extracorporeal cardiac support"[All Fields] OR "extracorporeal cardiac supports"[All Fields] OR "extra corporeal cardiac support"[All Fields] OR "extra corporeal cardiac supports"[All Fields] OR "extra-corporeal cardiac support"[All Fields] OR "extra-corporeal cardiac supports"[All Fields] OR "acute circulatory support"[All Fields] OR "acute-circulatory support"[All Fields] OR "acute cardiac support"[All Fields] OR "acute-cardiac support"[All Fields] OR "centrifugal pump"[All Fields] OR "centrifugal pumps"[All Fields] OR "centrifugal blood pump"[All Fields] OR "centrifugal blood pumps"[All Fields] OR "permanent life support"[All Fields] OR "PLS"[All Fields] OR "PLS-system"[All Fields] OR "PLS-systems"[All Fields] OR "mechanical circulatory support"[All Fields] OR "mechanical circulatory supports"[All Fields] OR "MCS"[All Fields] OR "mechanical support"[All Fields] OR "paracorporeal support"[All Fields] OR "para-corporeal support"[All Fields] OR "Centrimag"[All Fields] OR "Levitronix"[All Fields] OR "Thoratec Centrimag"[All Fields] OR "cardiac assist"[All Fields] OR "ventricular assist"[All Fields] OR "ventricular assists"[All Fields] OR "LVAD"[All Fields] OR "RVAD"[All Fields] OR "BiVAD"[All Fields])

AND

("Unloading"[All Fields] OR "left ventricular decompression"[All Fields] OR "left-ventricular decompression"[All Fields] OR "LV decompression"[All Fields] OR "LV-decompression"[All Fields] OR "left ventricular unloading"[All Fields] OR "left-ventricular unloading"[All Fields] OR "LV unloading"[All Fields] OR "LV-unloading"[All Fields] OR "Intra-Aortic Balloon Pumping"[Mesh] OR "IABP"[All Fields] OR "IABPs"[All Fields] OR "iabp"[All Fields] OR "Intraaortic balloon pumping"[All Fields] OR "Intra-aortic balloon pumping"[All Fields] OR "intra-aortic balloon pump"[All Fields] OR "Intraaortic Balloon Pump"[All Fields] OR "intraaortic balloon pump"[All Fields] OR "intra-aortic balloon counterpulsation"[All Fields] OR "intraaortic balloon counterpulsation"[All Fields] OR "intra-aortic counterpulsation"[All Fields] OR "intraaortic counterpulsation"[All Fields] OR "Impella"[All Fields] OR "Impeller"[All Fields] OR "micro axial blood pump"[All Fields] OR "micro-axial blood pump"[All Fields] OR "micro axial blood pumps"[All Fields] OR "micro-axial blood pumps"[All Fields] OR "microaxial blood pump"[All Fields] OR "microaxial blood pumps"[All Fields] OR "Atrial septostomy"[All Fields] OR "Atrial septo-stomy"[All Fields] OR "Atrial septotomy"[All Fields] OR "Heart Septal Defects, Atrial"[Mesh] OR "Heart septal defects"[All Fields] OR "Atrial septal defect"[All Fields] OR "ASD"[All Fields] OR "atrial septal defects"[All Fields] OR "vent"[All Fields] OR "venting"[All Fields])

Fields] OR "Tandemheart"[All Fields] OR "Tandem heart"[All Fields] OR "Tandem-heart"[All Fields]
OR "Protekduo"[All Fields] OR "Protek duo"[All Fields])

AND

("Survival Rate"[Mesh] OR "Death"[Mesh] OR "Hospital Mortality"[Mesh] OR "Mortality"[All Fields]
OR "survival"[All Fields] OR "Shock, Cardiogenic/mortality"[Mesh] OR "death"[All Fields] OR
"deaths"[All Fields] OR "survivors"[All Fields] OR "End-diastolic dimension"[All Fields] OR "End
diastolic dimension"[All Fields] OR "Enddiastolic dimension"[All Fields] OR "End-diastolic
diameter"[All Fields] OR "End diastolic diameter"[All Fields] OR "Enddiastolic diameter"[All Fields] OR
"End-diastolic dimensions"[All Fields] OR "End diastolic dimensions"[All Fields] OR "Enddiastolic
dimensions"[All Fields] OR "End-diastolic diameters"[All Fields] OR "End diastolic diameters"[All
Fields] OR "Enddiastolic diameters"[All Fields] OR "End-diastolic volume"[All Fields] OR "End diastolic
volume"[All Fields] OR "Enddiastolic volume"[All Fields] OR "End-diastolic volumes"[All Fields] OR
"End diastolic volumes"[All Fields] OR "Enddiastolic volumes"[All Fields] OR "ventricular
dimension"[All Fields] OR "ventricular dimensions"[All Fields] OR "ventricular volume"[All Fields] OR
"ventricular volumes"[All Fields] OR "EDD"[All Fields] OR "EDV"[All Fields] OR "LVEDV"[All Fields] OR
"LVEDD"[All Fields] OR "Wedge pressure"[All Fields] OR "Wedgepressure"[All Fields] OR "PCWP"[All
Fields] OR "pcwp"[All Fields] OR "pulmonary artery occlusion pressure"[All Fields] OR "diastolic
pulmonary artery pressure"[All Fields] OR "Left atrial pressure"[All Fields] OR "Left atrial
pressures"[All Fields] OR "LAP"[All Fields] OR "Left atrial pressure"[All Fields] OR "atrial
dimensions"[All Fields] OR "atrial dimension"[All Fields] OR "atrial volume"[All Fields] OR "atrial
volumes"[All Fields] OR "pulmonary edema"[All Fields] OR "pulmonary oedema"[All Fields])

EMBASE

('extracorporeal life support'/exp OR 'Heart assist device':ti,ab OR 'Heart assist devices':ti,ab OR 'Heart-assist device':ti,ab OR 'Heart-assist devices':ti,ab OR 'Extracorporeal Membrane Oxygenation':ti,ab OR 'ECMO':ti,ab OR 'ecmo':ti,ab OR 'extracorporeal membrane oxygenation':ti,ab OR 'extracorporeal membrane oxygenations':ti,ab OR 'extra-corporeal membrane oxygenation':ti,ab OR 'extra-corporeal membrane oxygenations':ti,ab OR 'extra corporeal membrane oxygenation':ti,ab OR 'extra corporeal membrane oxygenations':ti,ab OR 'extracorporeal membrane-oxygenation':ti,ab OR 'extracorporeal membrane-oxygenations':ti,ab OR 'ECLS':ti,ab OR 'extracorporeal life support*':ti,ab OR 'extracorporeal life support':ti,ab OR 'extra-corporeal life support':ti,ab OR 'extra corporeal life support':ti,ab OR 'extra-corporeal life supports':ti,ab OR 'extra corporeal life supports':ti,ab OR 'extracorporeal life supports':ti,ab OR 'extra corporeal life supports':ti,ab)

AND

('Unloading':ti,ab OR 'left ventricular decompression':ti,ab OR 'left-ventricular decompression':ti,ab OR 'LV decompression':ti,ab OR 'LV-decompression':ti,ab OR 'left ventricular unloading':ti,ab OR 'left-ventricular unloading':ti,ab OR 'LV unloading':ti,ab OR 'LV-unloading':ti,ab OR 'intra aortic balloon counterpulsation'/exp OR 'IABP':ti,ab OR 'IABPs':ti,ab OR 'iabp':ti,ab OR 'Intraaortic balloon pumping':ti,ab OR 'Intra-aortic balloon pumping':ti,ab OR 'intra-aortic balloon pump':ti,ab OR 'Intraaortic Balloon Pump':ti,ab OR 'intraaortic balloon pump':ti,ab OR 'intra-aortic balloon counterpulsation':ti,ab OR 'intraaortic balloon counterpulsation':ti,ab OR 'intra-aortic counterpulsation':ti,ab OR 'intraaortic counterpulsation':ti,ab OR 'impella'/exp OR 'Impella':ti,ab OR 'Impeller':ti,ab OR 'micro axial blood pump':ti,ab OR 'micro-axial blood pump':ti,ab OR 'micro axial blood pumps':ti,ab OR 'micro-axial blood pumps':ti,ab OR 'microaxial blood pump':ti,ab OR 'microaxial blood pumps':ti,ab OR 'Atrial septostomy':ti,ab OR 'Atrial septo-stomy':ti,ab OR 'Atrial septotomy':ti,ab OR "Heart Septal Defects, Atrial":ti,ab OR 'Heart septal defects':ti,ab OR 'Atrial septal defect':ti,ab OR 'ASD':ti,ab OR 'atrial septal defects':ti,ab OR 'vent':ti,ab OR 'venting':ti,ab OR 'Tandem Heart':ti,ab OR 'Tandemheart':ti,ab OR 'Protekduo':ti,ab OR 'Protek duo':ti,ab)

AND

('Survival Rate':ti,ab OR 'Death':ti,ab OR 'Hospital Mortality':ti,ab OR 'Mortality':ti,ab OR 'survival':ti,ab OR 'death':ti,ab OR 'deaths':ti,ab OR 'survivors':ti,ab OR 'End-diastolic dimension':ti,ab OR 'End diastolic dimension':ti,ab OR 'Enddiastolic dimension':ti,ab OR 'End-diastolic diameter':ti,ab OR 'End diastolic diameter':ti,ab OR 'Enddiastolic diameter':ti,ab OR 'End-diastolic dimensions':ti,ab OR 'End diastolic dimensions':ti,ab OR 'Enddiastolic dimensions':ti,ab OR 'End-diastolic diameters':ti,ab OR 'End diastolic diameters':ti,ab OR 'Enddiastolic diameters':ti,ab OR 'End-diastolic volume':ti,ab OR 'End diastolic volume':ti,ab OR 'Enddiastolic volume':ti,ab OR 'End-diastolic volumes':ti,ab OR 'End diastolic volumes':ti,ab OR 'Enddiastolic volumes':ti,ab OR 'ventricular dimension':ti,ab OR 'ventricular dimensions':ti,ab OR 'ventricular volume':ti,ab OR 'ventricular volumes':ti,ab OR 'EDD':ti,ab OR 'EDV':ti,ab OR 'LVEDV':ti,ab OR 'LVEDD':ti,ab OR 'Wedge pressure':ti,ab OR 'wedgepressure':ti,ab OR 'PCWP':ti,ab OR 'pcwp':ti,ab OR 'pulmonary artery occlusion pressure':ti,ab OR 'diastolic pulmonary artery pressure':ti,ab OR 'Left atrial pressure':ti,ab OR 'Left atrial pressures':ti,ab OR 'LAP':ti,ab OR 'Left-atrial pressure' OR 'Left-atrial pressures':ti,ab OR 'atrial dimensions':ti,ab OR 'atrial dimension':ti,ab OR 'atrial volume':ti,ab OR 'atrial volumes':ti,ab OR 'pulmonary edema':ti,ab OR 'pulmonary oedema':ti,ab)

Web of Science

TS= ("Heart-Assist Devices" OR "Heart assist device" OR "Heart-assist device" OR "Heart assist devices" OR "Heart-assist devices" OR "Extracorporeal Membrane Oxygenation" OR "ECMO" OR "ecmo" OR "extracorporeal membrane oxygenation" OR "extracorporeal membrane oxygenations" OR "extra-corporeal membrane oxygenation" OR "extra-corporeal membrane oxygenations" OR "extra corporeal membrane oxygenation" OR "extra corporeal membrane oxygenations" OR "extracorporeal membrane-oxygenation" OR "extracorporeal membrane-oxygenations" OR "ECLS" OR "extracorporeal life supports" OR "extracorporeal life support" OR "extra-corporeal life support" OR "extra-corporeal life supports" OR "extra corporeal life support" OR "extra corporeal life supports" OR "extracorporeal circulatory support" OR "extracorporeal circulatory supports" OR "extra corporeal circulatory support" OR "extra corporeal circulatory supports" OR "extra-corporeal circulatory support" OR "extra-corporeal circulatory supports" OR "extracorporeal cardiac support" OR "extracorporeal cardiac supports" OR "extra corporeal cardiac support" OR "extra corporeal cardiac supports" OR "extra-corporeal cardiac support" OR "extra-corporeal cardiac supports" OR "acute circulatory support" OR "acute-circulatory support" OR "acute cardiac support" OR "acute-cardiac support" OR "centrifugal pump" OR "centrifugal pumps" OR "centrifugal blood pump" OR "centrifugal blood pumps" OR "permanent life support" OR "PLS" OR "PLS-system" OR "PLS-systems" OR "mechanical circulatory support" OR "mechanical circulatory supports" OR "MCS" OR "mechanical support" OR "paracorporeal support" OR "para-corporeal support" OR "Centrimag" OR "Levitronix" OR "Thoratec Centrimag" OR "cardiac assist" OR "ventricular assist" OR "ventricular assists" OR "LVAD" OR "RVAD" OR "BiVAD")

AND

TS= ("Unloading" OR "left ventricular decompression" OR "left-ventricular decompression" OR "LV decompression" OR "LV-decompression" OR "left ventricular unloading" OR "left-ventricular unloading" OR "LV unloading" OR "LV-unloading" OR "Intra-Aortic Balloon Pumping" OR "IABP" OR "IABPs" OR "iabp" OR "Intraaortic balloon pumping" OR "Intra-aortic balloon pumping" OR "intra-aortic balloon pump" OR "Intraaortic Balloon Pump" OR "intraaortic balloon pump" OR "intra-aortic balloon counterpulsation" OR "intraaortic balloon counterpulsation" OR "intra-aortic counterpulsation" OR "intraaortic counterpulsation" OR "Impella" OR "Impeller" OR "micro axial blood pump" OR "micro-axial blood pump" OR "micro axial blood pumps" OR "micro-axial blood pumps" OR "microaxial blood pump" OR "microaxial blood pumps" OR "Atrial septostomy" OR "Atrial septo-stomy" OR "Atrial septotomy" OR "Heart Septal Defects, Atrial" OR "Heart septal defects" OR "Atrial septal defect" OR "ASD" OR "atrial septal defects" OR "vent" OR "venting" OR "Tandem heart" OR "Tandemheart" OR "Protekduo" OR "Protek duo")

AND

TS= ("Survival Rate" OR "Death" OR "Hospital Mortality" OR "Mortality" OR "survival" OR "Shock, Cardiogenic/mortality" OR "death" OR "deaths" OR "survivors" OR "End-diastolic dimension" OR "End diastolic dimension" OR "Enddiastolic dimension" OR "End-diastolic diameter" OR "End diastolic diameter" OR "Enddiastolic diameter" OR "End-diastolic dimensions" OR "End diastolic dimensions" OR "Enddiastolic dimensions" OR "End-diastolic diameters" OR "End diastolic diameters" OR "Enddiastolic diameters" OR "End-diastolic volume" OR "End diastolic volume" OR "Enddiastolic volume" OR "End-diastolic volumes" OR "End diastolic volumes" OR "Enddiastolic volumes" OR "ventricular dimension" OR "ventricular dimensions" OR "ventricular volume" OR "ventricular volumes" OR "EDD" OR "EDV" OR "LVEDV" OR "LVEDD" OR "Wedge pressure" OR "wedgpressure" OR "PCWP" OR "pcwp" OR "pulmonary artery occlusion pressure" OR "diastolic pulmonary artery

pressure" OR "Left atrial pressure" OR "Left atrial pressures" OR "LAP" OR "Left atrial pressure" OR
"atrial dimensions" OR "atrial dimension" OR "atrial volume" OR "atrial volumes" OR "pulmonary
edema" OR "pulmonary oedema")