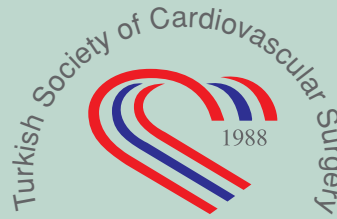


LEFT VENTRICULAR ASSIST DEVICE



Erasmus+

1) PREOPERATIVE DATA

Demographic				
	Patient-ID			
	Patient number			
	Job			
	Educational background	No ☐	Elementary school ☐	High school ☐
		University ☐	Postgraduate ☐	
	Age			
	Sex			
	Weight and height			
	BMI*			
	BSA**			
	Operation date			
BMI: Body mass index; BSA: Body surface area.				

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Comorbidities			
	Diabetes mellitus	Yes ☐	No ☐
	Hypertension	Yes ☐	No ☐
		No medication	
		Monotherapy	
		Multiple medication	
	Etiology	Ischemic	
		Dilated	
		Restrictive	
		Congenital	
	Intermacs Class	I: Cardiogenic shock	
		II: Progressive decline	
		III: Stable but inotrope dependent	
		IV: Resting symptoms	
		V: Exertion intolerant	
		VI: Exertion limited	
		VII: Advanced NYHA Class III	
	Chronic obstructive pulmonary disease	Yes ☐	No ☐
	Renal disease		
	Renal failure with dialyzing		
	Kidney damage		
	Normal kidney function		
	Smoking	Yes ☐	No ☐
	Alcohol	Yes ☐	No ☐
	Cerebrovascular disease	With neurological deficit	
		With out neurological deficit	
		Yes ☐	No ☐
	Carotid artery disease	Left ICA: %.....	
		Right ICA: %.....	
	Hyperlipidemia	Yes ☐	No ☐
	Prior cardiac operation	Yes ☐	No ☐
	If yes, procedure details		

NYHA: New York Heart Association; ICA: Internal carotid artery.

Laboratory Data				
	Hemoglobin		ALT	
	Hematocrit		AST	
	Platelet		Total bilirubin	
	WBC		Direct bilirubin	
	CRP		Total cholesterol	
	Albumin		LDL	
	Potassium		HDL	
	Sodium		Triglyceride	
	Creatinine		HbA1c	
	Glomerular filtration rate		Procalcitonine	
	INR		LDH	
	BNP			

ALT: Alanine transaminase; AST: Aspartate transaminase; WBC: White blood cell; CRP: C-reactive protein; LDL: Low-density lipoprotein; HDL: High density lipoprotein; INR: Internationalized normal ratio; LDH: Lactate dehydrogenase; BNP: Brain natriuretic peptide.

Ventricular Support Status				
	Inotrope dependent	Yes ☐	No ☐	
	IABP	Yes ☐	No ☐	
	Short term support	Yes ☐	No ☐	Levitronix/Impella/Tandem Heart/ECMO

IABP: Intra-aortic balloon pump; ECMO: Extracorporeal membrane oxygenation.

Echocardiography Data			
	Ejection fraction (EF)		
	Left ventricular diameter		
	Interventricular septum diameter		
	Concomitant valve disease		
	Pulmonary artery pressure (PAP)		
	Tricuspid annular plane systolic excursion (TAPSE)		
	Pulmonary capillary wedge pressure (PCWP)		
	Cardiac index (CI)		

Respiratory Function Test			
	FEV1		
	FVC		
	FEV1/FVC		
	Breathing pattern		

FEV1: Forced expiratory volume; FVC: Forced vital capacity.

2) PERIOPERATIVE DATA

Cross clamp time (minute)	
Cardiopulmonary bypass time (minute)	
Type of cardioplegia	
LVAD model implanted	
Revision	
Nitric oxide (NO)	
Hemofiltration	
On pump	
Off pump	
Incision type	Minimally invasive conventional
LVAD: Left ventricular assist device.	

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3) POSTOPERATIVE DATA

Laboratory Data				
	Hemoglobin		ALT	
	Hematocrit		AST	
	Platelet		Total bilirubin	
	WBC		Direct bilirubin	
	CRP		Total cholesterol	
	Albumin		LDL	
	Potassium		HDL	
	Sodium		Triglyceride	
	Creatinine		HbA1c	
	Glomerular filtration rate		Procalcitonine	
	INR		LDH	
	BNP			

ALT: Alanine transaminase; AST: Aspartate transaminase; WBC: White blood cell; CRP: C-reactive protein; LDL: Low-density lipoprotein; HDL: High density lipoprotein; BNP: Brain natriuretic peptide; INR: Internationalized normal ratio; LDH: Lactate dehydrogenase.

Postoperative Needed			
	Intensive care stay duration	Yes ☐	No ☐
	Intraaortic balloon pump	Yes ☐	No ☐
	Levitronix/Impella/Tandem Heart/ECMO	Yes ☐	No ☐
	Pneumoniae	Yes ☐	No ☐
	Right heart failure	Yes ☐	No ☐
	Atrial fibrillation	Yes ☐	No ☐
	Acute renal failure	Yes ☐	No ☐
	Dialysis	Yes ☐	No ☐
	Cerebrovascular event	Yes ☐	No ☐
	Gastrointestinal bleeding	Yes ☐	No ☐
	End-organ ischemia	Yes ☐	No ☐
	Hepatic insufficiency	Yes ☐	No ☐
	LVAD driveline infection	Yes ☐	No ☐
	Length of stay (day)		
	Mortality	Yes ☐	No ☐

ECMO: Extracorporeal membrane oxygenation; LVAD: Left ventricular assist device.