

## Procedures

### ***The variety of procedures performed during Dr. Akasheh's practice***

#### **Adult Cardiac & Vascular Procedures**

##### **Coronary Bypass Surgery**

- LIMA – RIMA – Radial Artery – Gastro-Epiploic – SVG
- Ventricular Aneurysmectomies and LV reduction procedures
- OPCAB (Beating Heart No Pump procedures)
- MIDCAB (Lt. Thoracotomy or Lower Mini Sternotomy)
- Bypass with valve repair or replacement
- Redo coronary bypass procedures

##### **Valve Surgery**

- Single, Double and triple valve Replacement (Prosthetic – Biological – Stentless – Homograft)
- Valve Repair
- Minimally Invasive Valve replacement and Repair (Mini thoracotomy or Upper Mini Sternotomy)
- Thoracoscopic Mitral valve Repair (Micro-Mitral procedure)
- Redo Valve procedures

##### **Aortic Surgery**

- Ascending Aortic replacement
- Ascending Aortic and Root replacement with coronary re-implantation
- Ascending and Arch replacement for aneurysms or dissection (Deep Hypothermia- Circulatory arrest and retrograde Brain Perfusion)
- Thoracic Aneurysms
- Abdominal Aortic Aneurysms

##### **Transplant Surgery**

- Kidney Transplantation
- Orthotopic Heart Transplantation
- Heart – Lung Transplantation

##### **Arrhythmia Surgery**

Radiofrequency modified Maze III procedure for chronic Atrial fibrillation in patients undergoing Valve or Coronary procedures.

(Medtronic Cardioblate RF device)



#### **Congenital Open Heart Surgery**

- *Atrial septal defects*
- *Ventricular Septal Defects*
- *Atrio-ventricular Canal repair*
- *Rastelli Procedures*
- *Tetralogy of Fallot*
- *Transposition of Great Vessels (Senning Procedure)*
- *Total and Partial anomalous pulmonary Venous return repair*
- *Total Cavo-Pulmonary connection (Fontan type procedures)*
- *Mitral and Tricuspid Valve repair procedures*



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### **Neonatal Open Heart Surgery**

- *Transposition of Great Vessels (Arterial Switch, Senning Procedures)*
- *TAPVR*
- *Truncus Arteriosus Repair*



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### **Congenital Closed Heart Surgery**

- *Pulmonary artery Banding*
- *Blalock Shunt*
- *Aorto-Pulmonary central shunts*
- *Bi-directional Glenn procedure*
- *Division and closure of PDA*

