



THE FIRST AFFILIATED HOSPITAL OF ANHUI MEDICAL UNIVERSITY



Dr. Jianjun Ge
Chief Professor of Cardiovascular Surgery

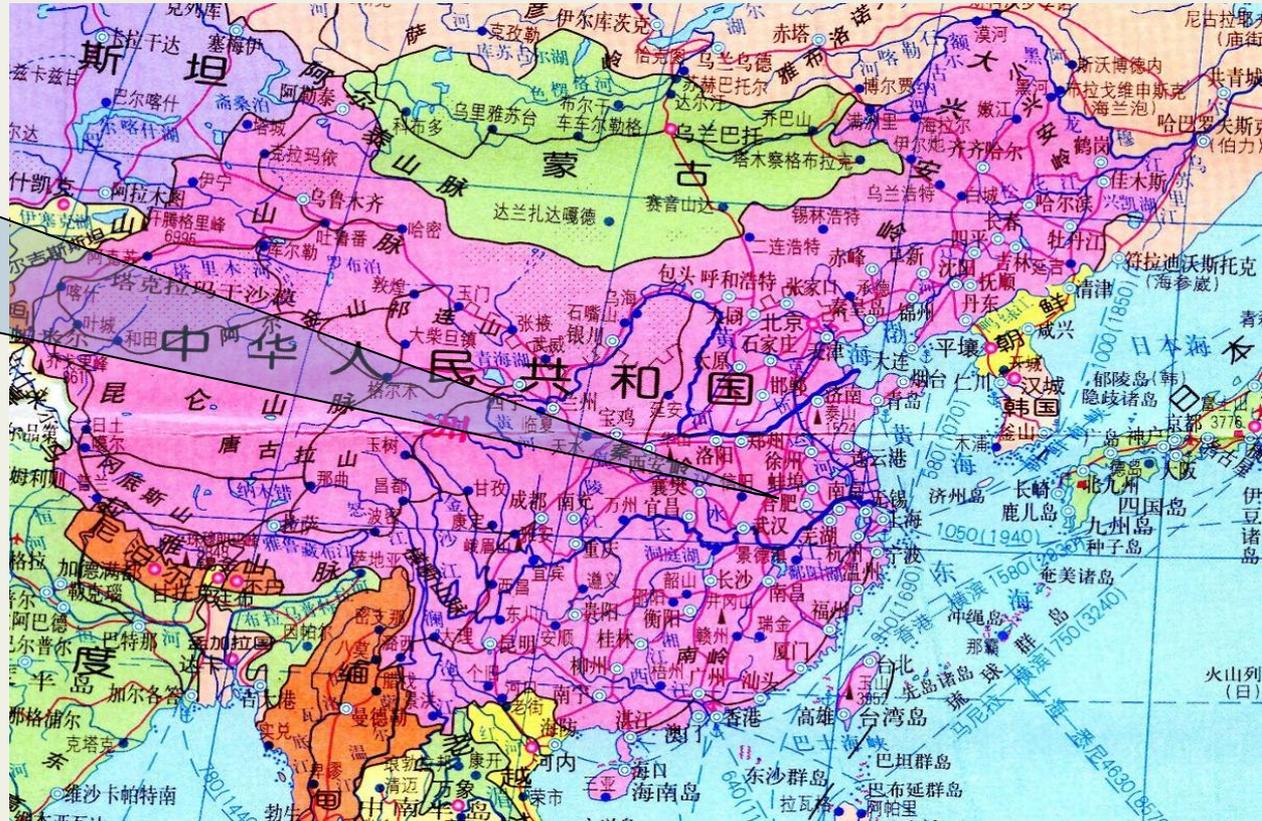
Dept. of Cardiovasc-Surgery 1st Hospital of AMU



Anhui province, China

Population : 66,000,000

Capital City: He Fei





Surgery Departments Building

Including :

cardiac surgery (**7and 8 floor**)

thoracic surgery

neurosurgery

urinary surgery

gynaecology and obstetrics

general surgery





Dept. of Cardiovasc-Surgery

- ➔ The only doctoral degree Location in Anhui Province
- ➔ The key discipline of Anhui Medical University
- ➔ Characteristic discipline in Anhui Province
- ➔ First to carry out heart surgery in Anhui Province
- ➔ More than 1200 operations per year
First rate in classification、 complexity、 achievement ratio



Stuff

Cardiac Surgeon 18

ICU Doctor 3

Circumfusion Technician 4

Nurse 65



Dept. of Cardioasc-Surgery





Dept. of Cardioasc-Surgery





ICU of Cardioasc-Surgery





ICU of Cardiovasc-Surgery

IABP



nitrogen monoxidum (NO)
treatment meter





ICU of Cardiovasc-Surgery

Bedside Hemodialysis



Bedside X ray





ICU of Cardiovasc-Surgery

breathing machine



Others





Total operations Cases last year: 1322
Of which 906 with Cardiopulmonary bypass

Type	Number
ASD +VSD	304
Tetralogy of Fallot (TOF)	42
Value operation	434
On pump CABG	28
Off pump CABG	276
Aneurysm of Thoracic Aorta (Debakey I)	20
Aneurysm of Thoracic Aorta (Debakey III)	81 (Interventional treatment)
Other	97



Congenital Heart Disease (CHD)

- Tetralogy of Fallot TOF
- Ventricular Septal Defect VSD
- Atrial Septal Defect ASD (Type 1 and 2)
- Transposition of Great Arteries TGA
- Double Outlet Right Ventricle DORV
- Supravalvular Aortic Stenosis SAS
- Subaortic Stenosis SAS
- Aortic Coarctation COA
- Total Abnormal Pulmonary Venous Drainage TAPVD
- Cor Triatriatum
- Valsalva Aneurysm
- Ebstein abnormality
- OTHERS



Characteristic of CHD



The right minimally invasive





Characteristic of CHD



Infant surgery: The lightest is only 5 kg



Cardiac Valve Operation

Valve Replacement (AVR,MVR,DVR,TVR)

Mitral Valve Repair

Aortic Valve Repair

Tricuspid Valve Repair



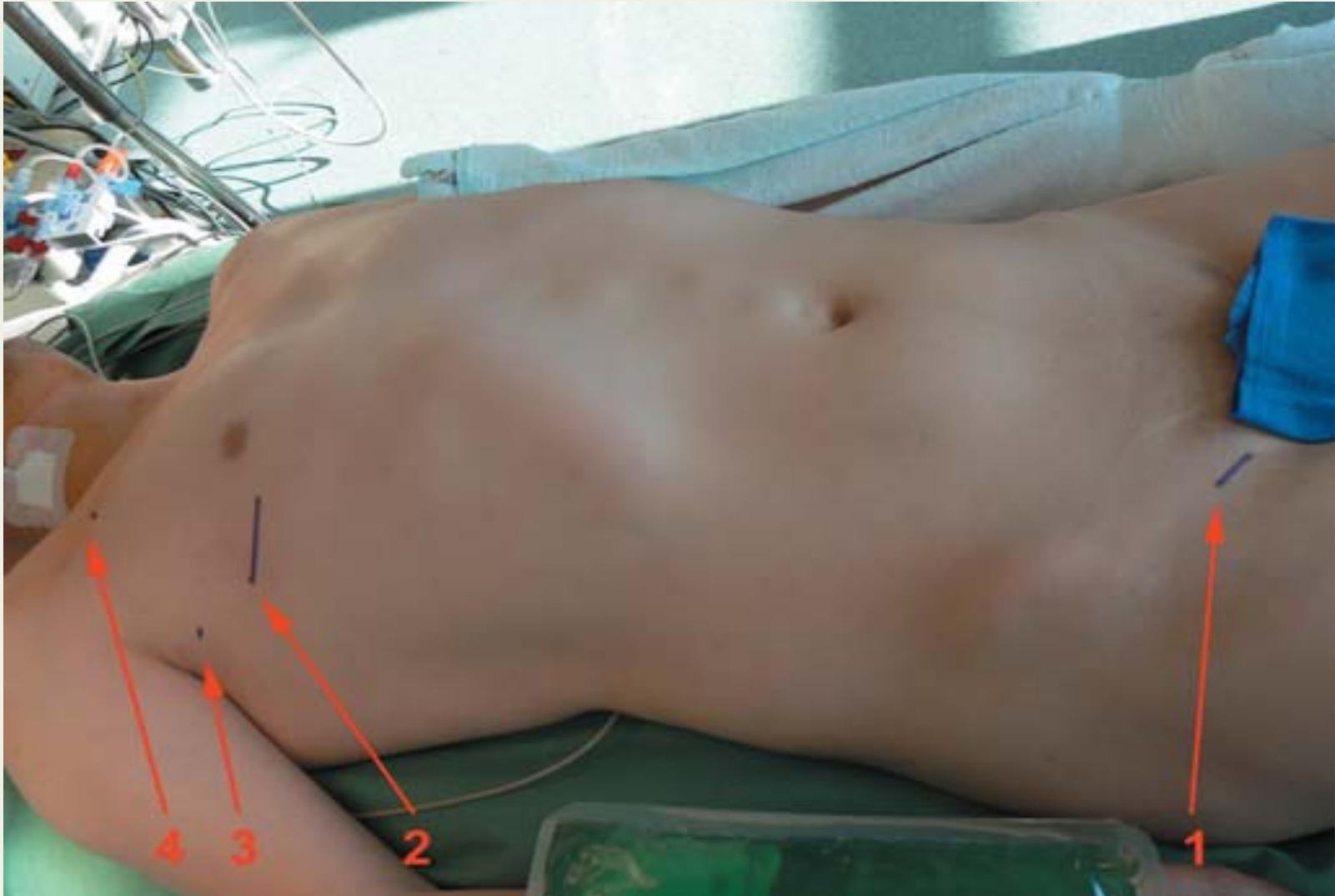
Characteristic of valve operation

Thoracoscopic surgery



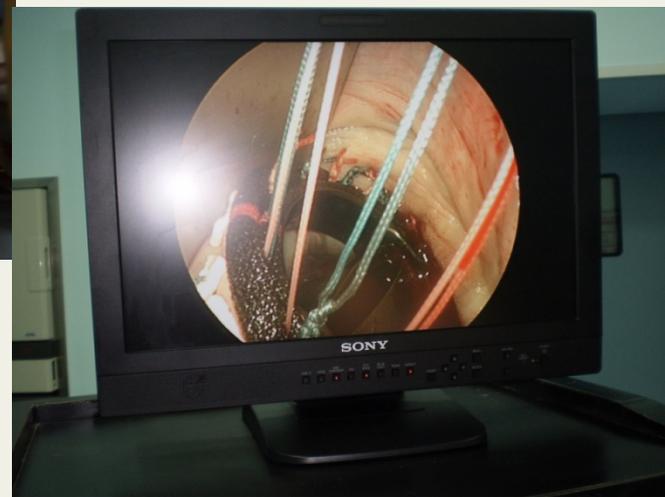
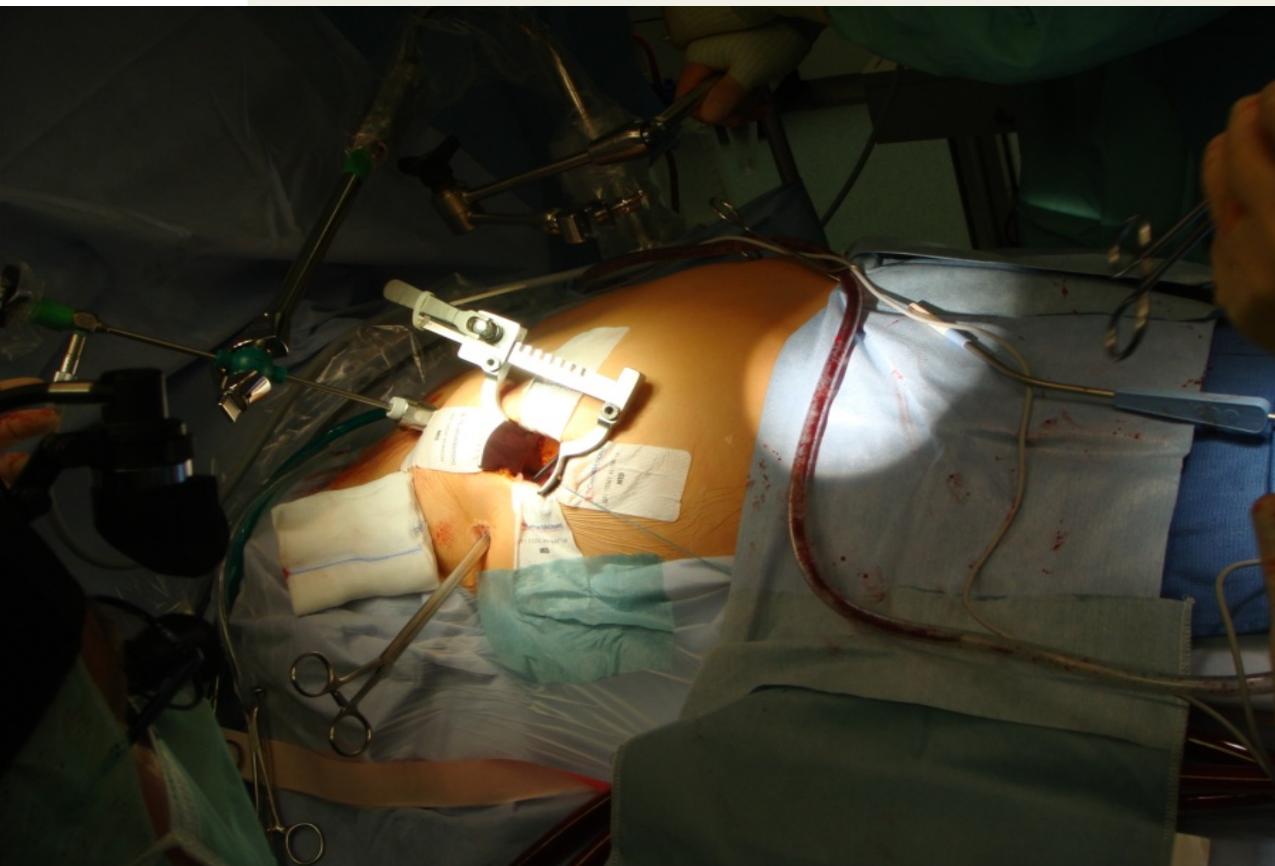


Thoracoscopic surgery





Thoracoscopic surgery





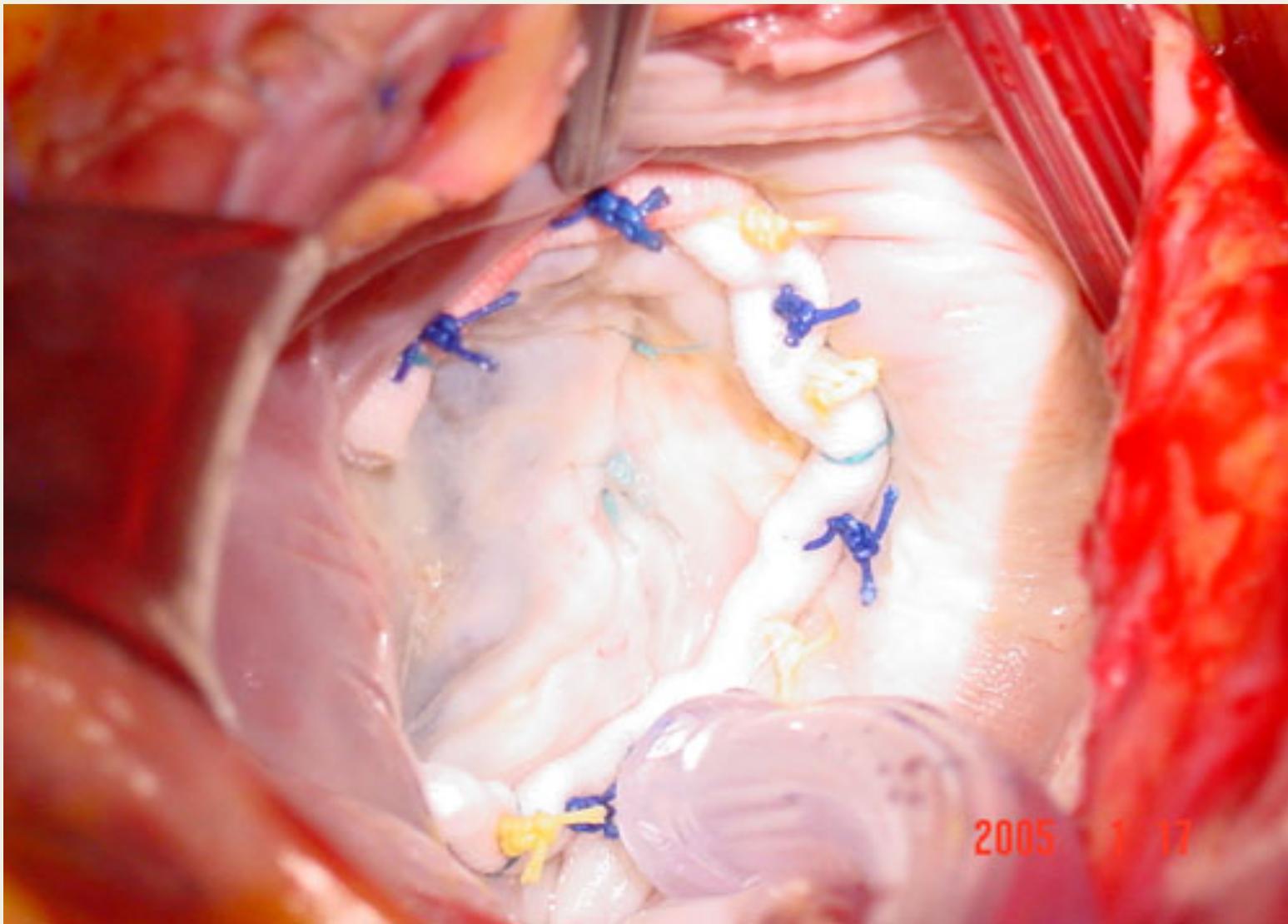
Thoracoscopic surgery



Incisions and the trauma is very small Compared with conventional method



Valve Repair





Coronary Heart Disease

- **On-pump CABG**
- **Off-pump CABG(99%)**
- **Minimally Invasive Off-pump CABG(LIMA-LAD)**

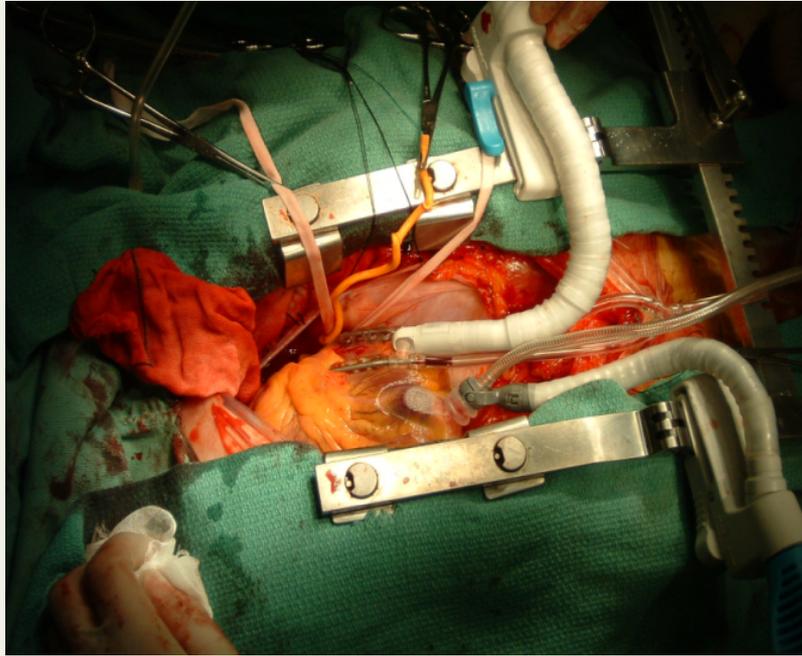


On pump CABG





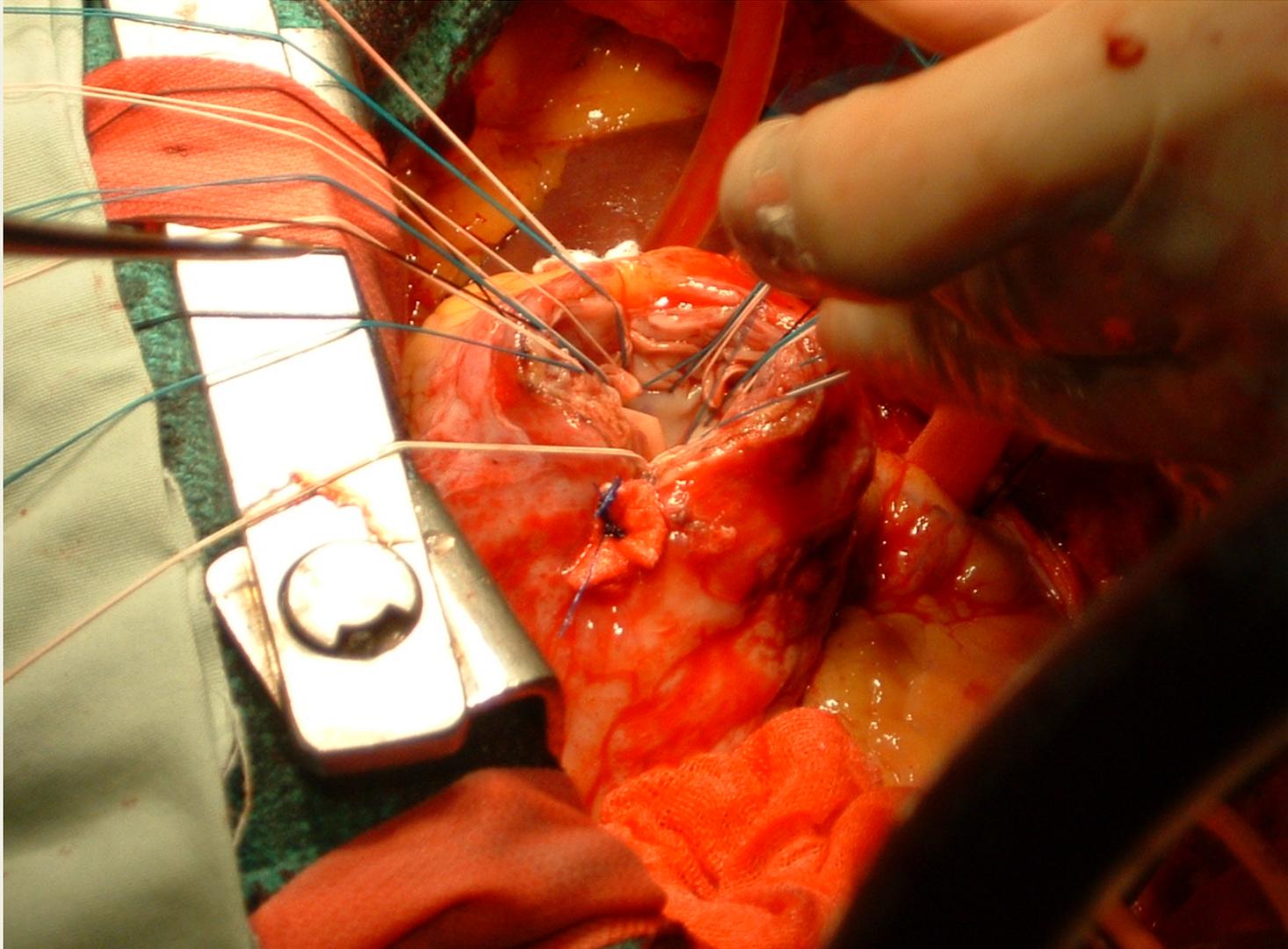
Off pump CABG



OPCABG with IABP



Resection of Aneurysm After Myocardial Infarction





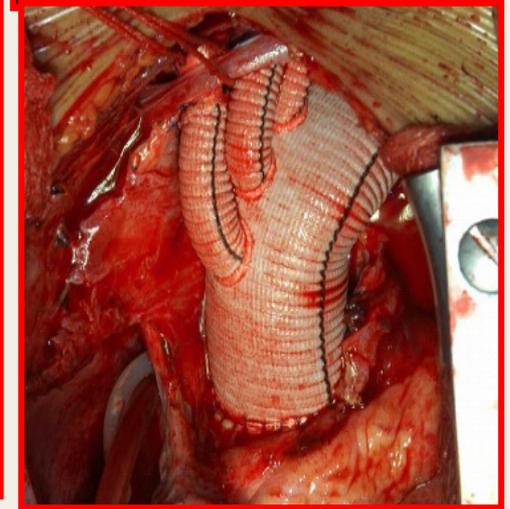
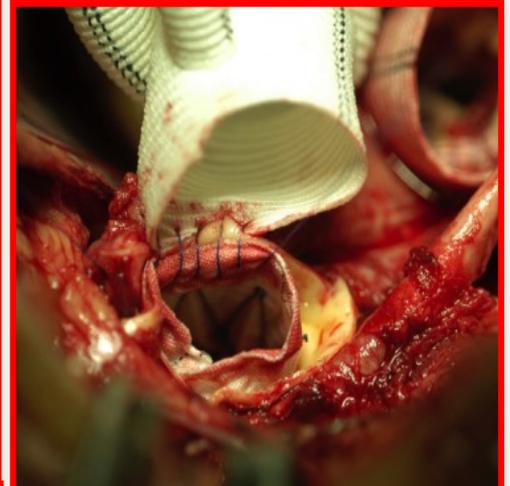
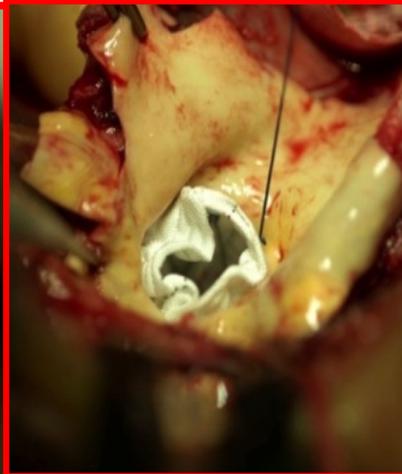
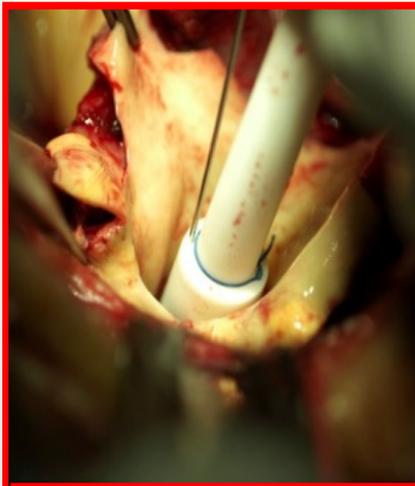
Great Vessels

- **Aneurysm of Thoracic Aorta**
 - ascending aorta
 - descending aorta
 - aortic arch

- Operation achievement ratio: 95%

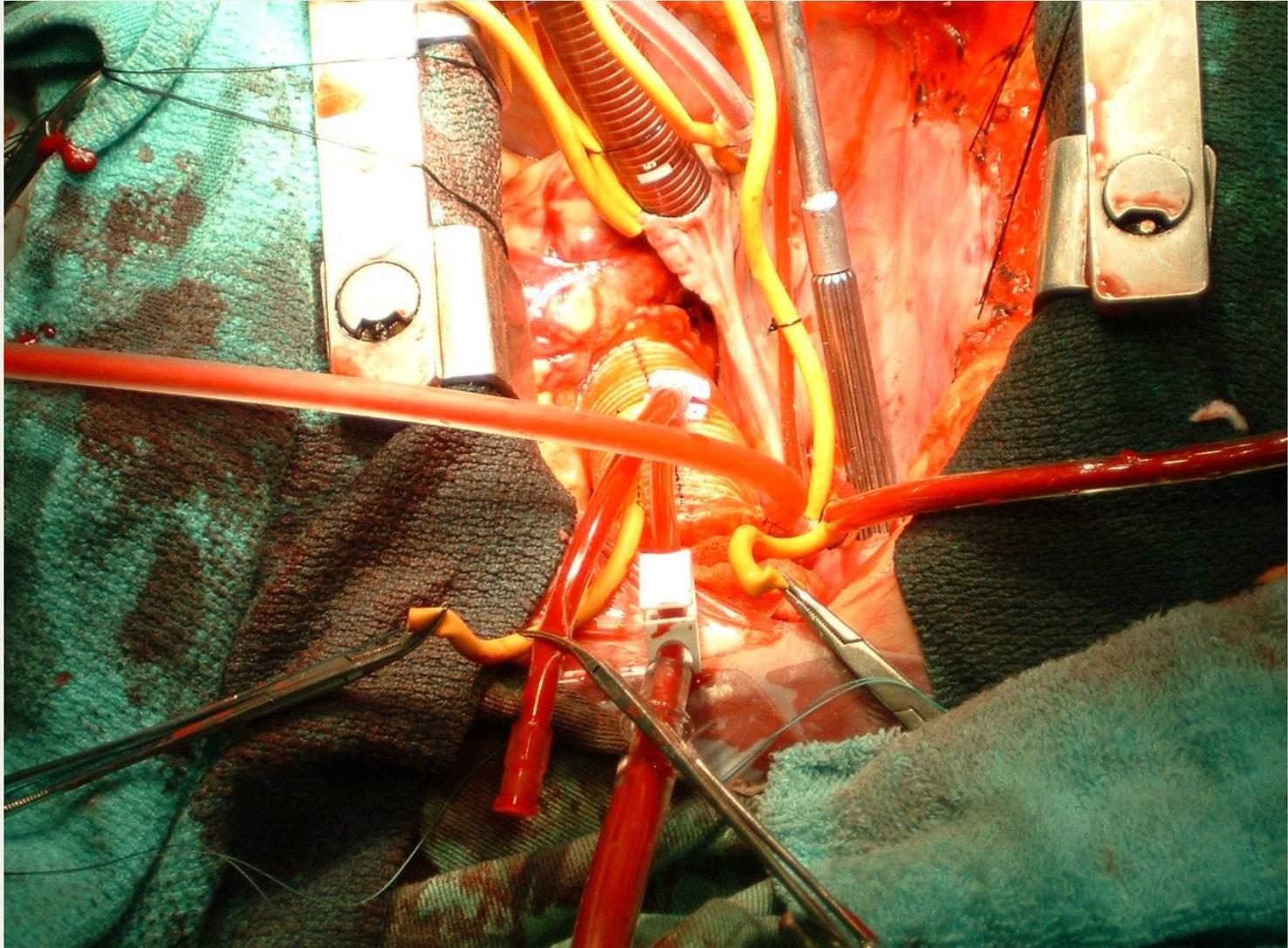


Great Vessels





Great Vessels





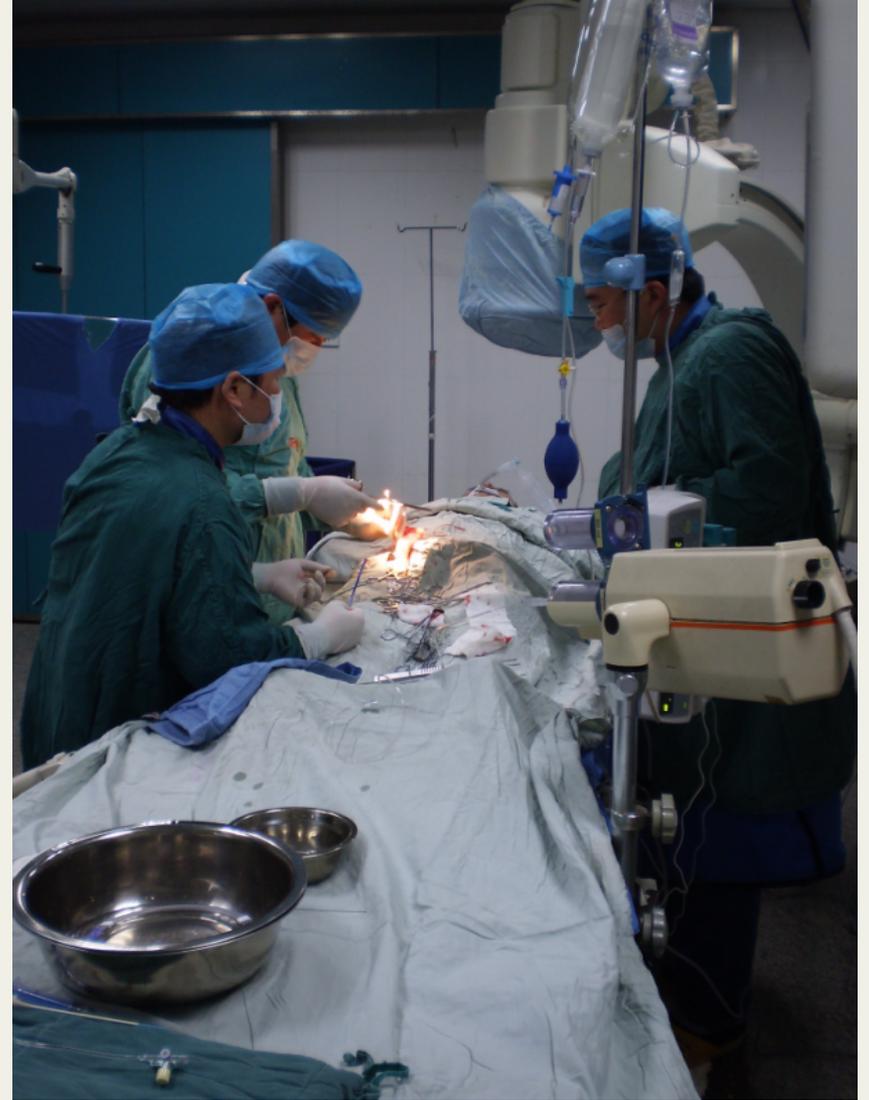
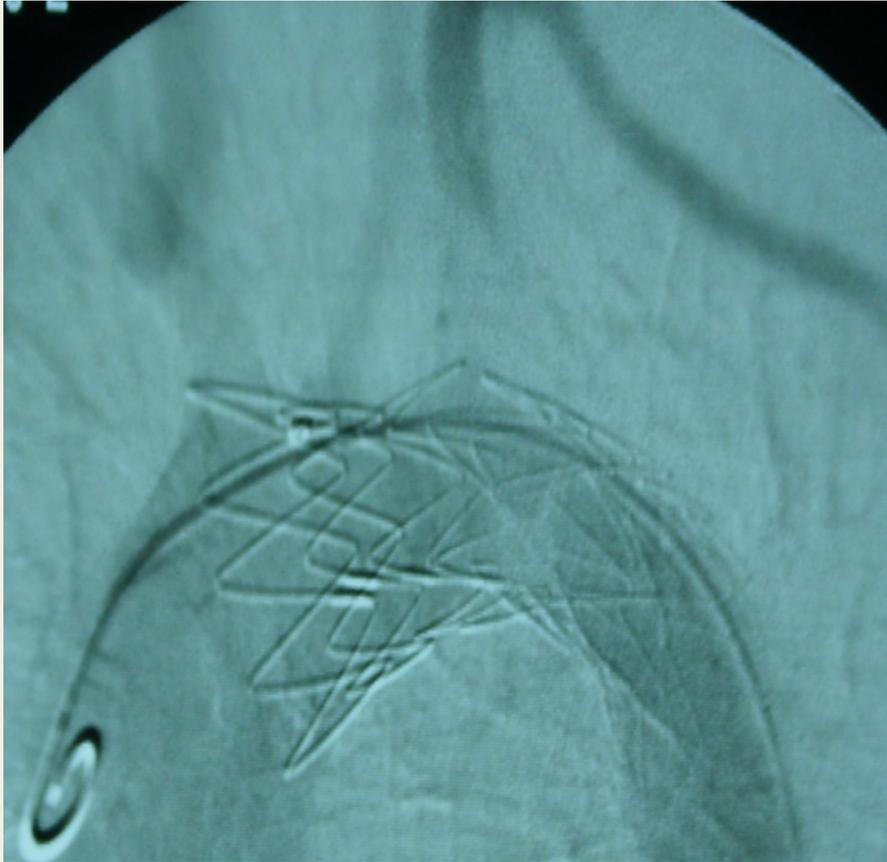
Characteristic of great vessels

Hybrid operating room





Interventional treatment





Our Animal Operating Room





Hospital Central Laboratory



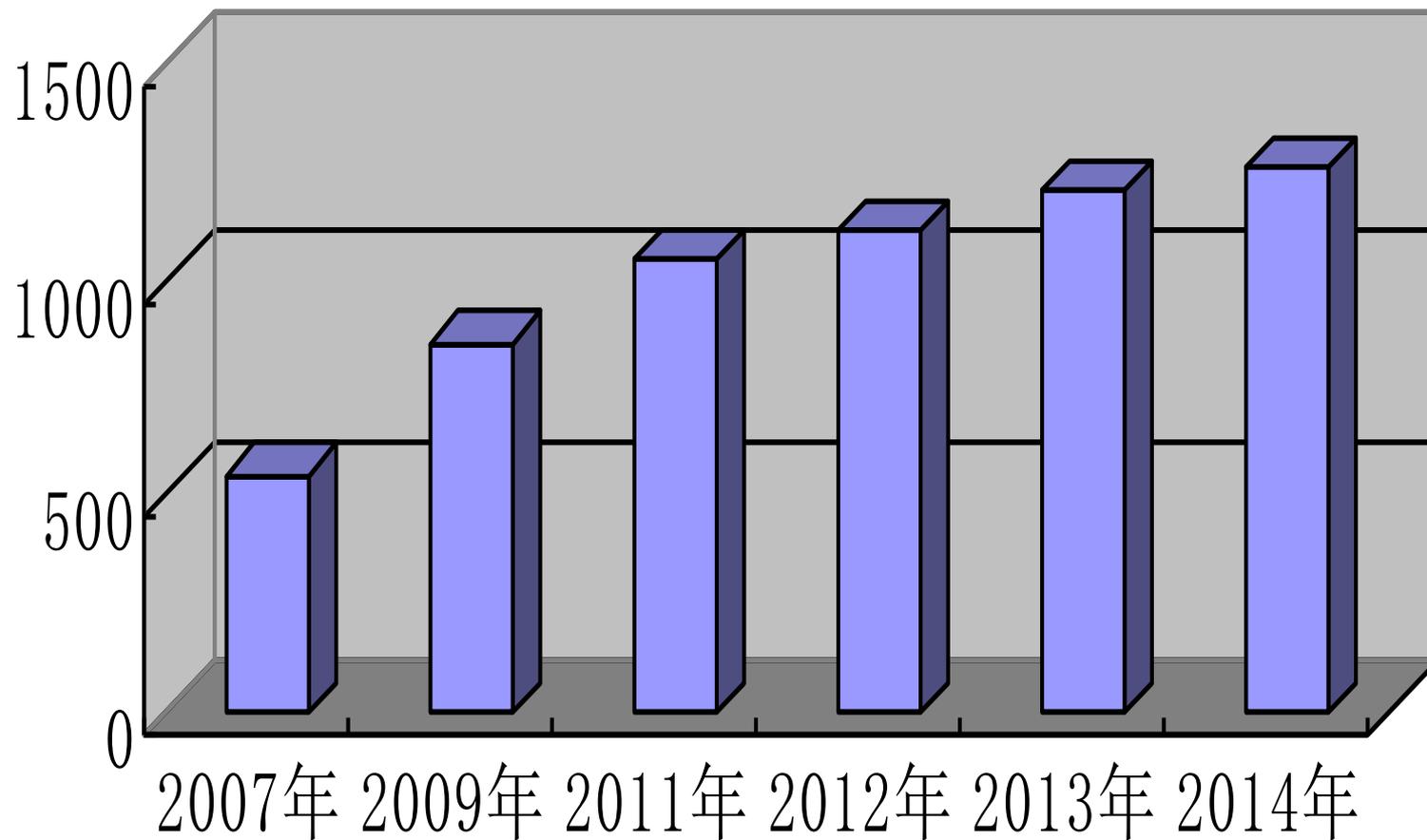


Laboratory of Molecular Biology LMB





Developing Division



Shortages

- **Standard Procedure** (duration of hospital stay)

医嘱medical order

检查examine

术前准备preparation

手术operation

ICU

术后afteroperation

康复rehabilitation

- **Cooperative Procedure** of Multi-Department



Purpose: Teach US those **Procedures** via

- Doctors _____ Do operation in **our OR**
- AMU Doctors _____ observe in hospitals

- 
- 3-4 years later

- Set up the **AMU-BCM Heart Disease Center**
on the basis of the newly built branch of the
AMU First Affiliated Hospital



Scenery of Hefei city, Anhui, China





Scenery of Hefei city, Anhui, China





Welcome to Hefei !