



RESULT OF THORACIC ENDOVASCULAR AORTIC REPAIR AT 108 CENTRAL MILITARY HOSPITAL

Ngo Tuan Anh, PhD; Ha Hoai Nam, PhD
Cardiovascular Surgery Department – Heart
Institute – 108 Central Military Hospital.

BACKGROUND

Thoracic Aortic Aneurysms _ TAA

TAA involve Thoraco-Abdominal Aortic Aneurysms _ TAAA).
Infected aneurysm of the thoracic aorta

Acute Aortic Syndrome

AD (Aortic Dissection) type A + B
IMH (Intramural Hematoma)
PAU (Penetrating Atherosclerotic Ulcer)
BTAI (Blunt Thoracic Aortic Injury).



OBJECTIVES

- To evaluate the results of thoracic endovascular aortic repair at the Department of Cardiovascular Surgery -Central Military Hospital 108 from 2016 to 2021.





SUBJECT AND METHOD



- **SUBJECT**

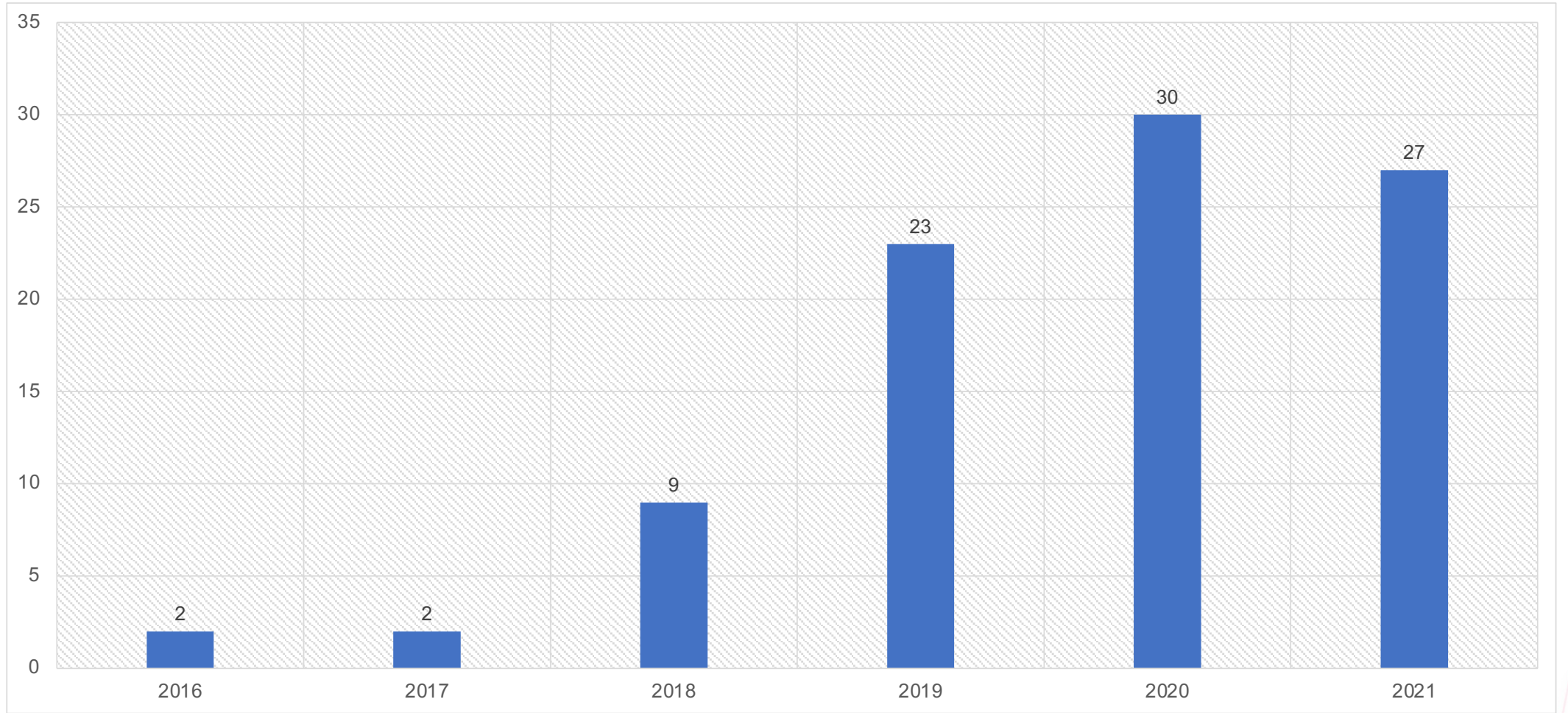
Including 29 aortic disease patients undergoing stent graft at the Department of Cardiovascular Surgery - Cardiovascular Institute - 108 Military Central Hospital from December 2016 to July 2021.

- **METHOD**

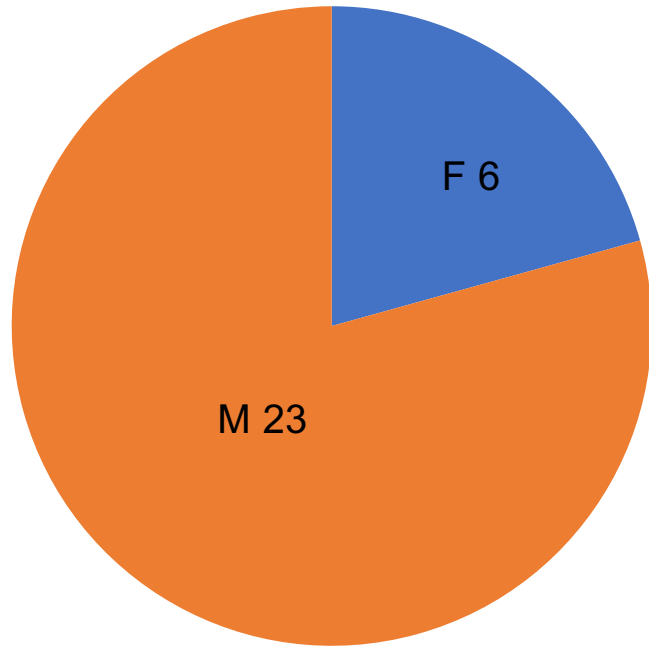
Study design: A prospective and descriptive study.



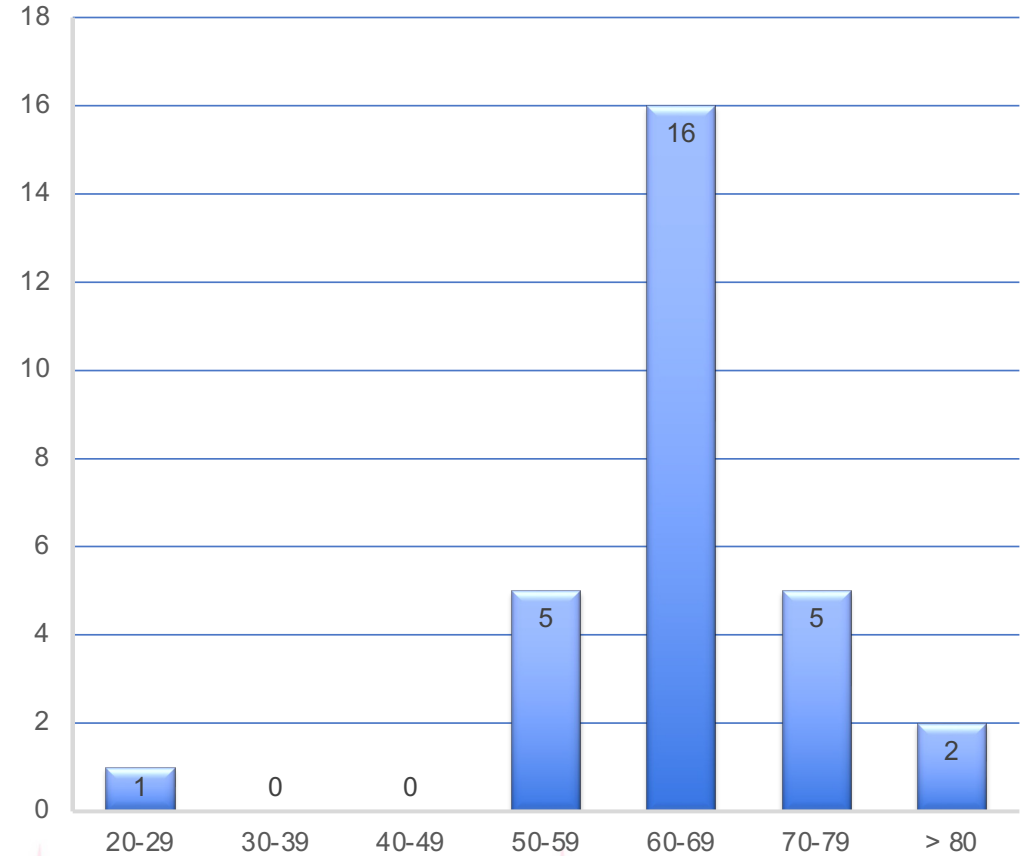
NUMBER OF OPERATIONS BY YEAR



RESULTS



Male patients were mainly (79%). Average time of follow up: 24 ± 14 months.



The mean age of the patients : $61,6 \pm 15$)



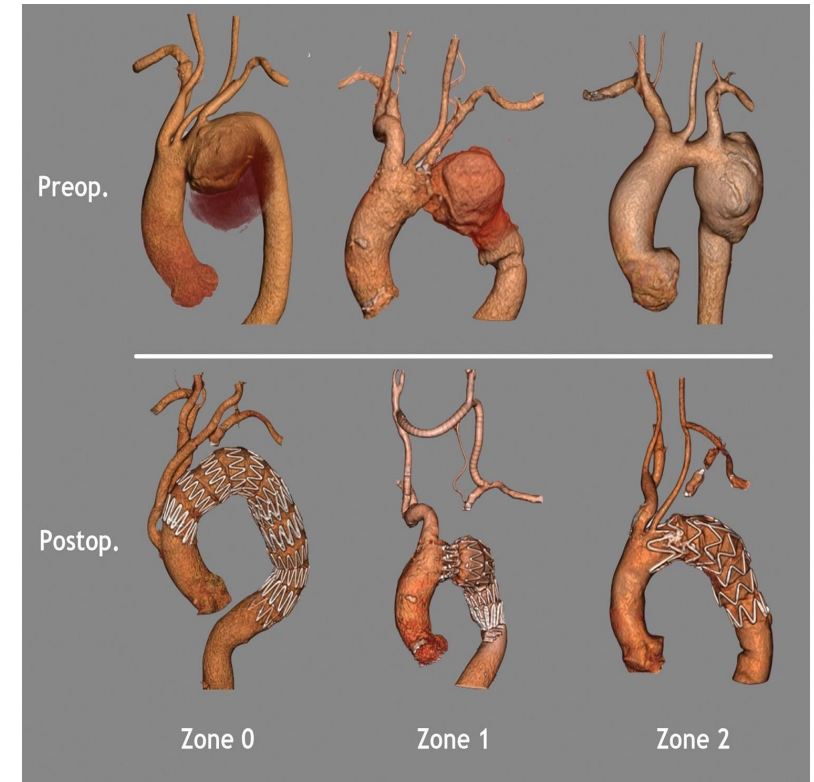
RESULTS

Characteristics		Number	Rate (%)
Status of aortic wall on admission	Rupture	4	13,8
	Threats to rupture	7	24,1
	Stable	18	62,1
Type of lesion	Aneurysm	23	79,3
	Aortic dissection type A	2	6,8
	Aortic dissection type B	3	10,3
	Trauma	1	3,4



RESULTS

Techniques		Number	Rate (%)
Hybrid	Total debranching	10	34,5
	Carotid-carotid-subclavian bypass	11	38
Endovascular aortic repair		8	27,5



HYBRID OPERATING ROOM AT 108 MILITARY CENTRAL HOSPITAL



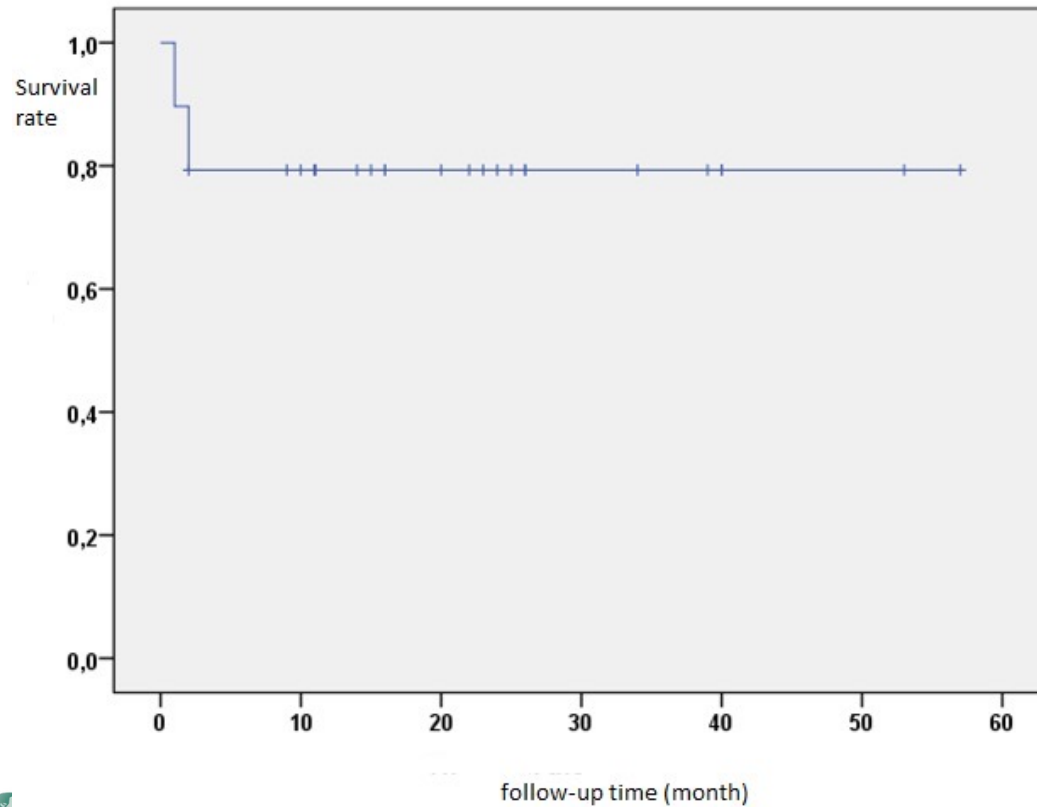
RESULTS

Endpoints	Number	Rate (%)
Technical success rate	29	100
Target vessel patency	29	100
30-day in-hospital mortality	3	10,3
Complication	Endoleak	3,4
	Spinal cord ischemia	6,8
	Stroke	6,8
	Infection	3,4



RESULTS

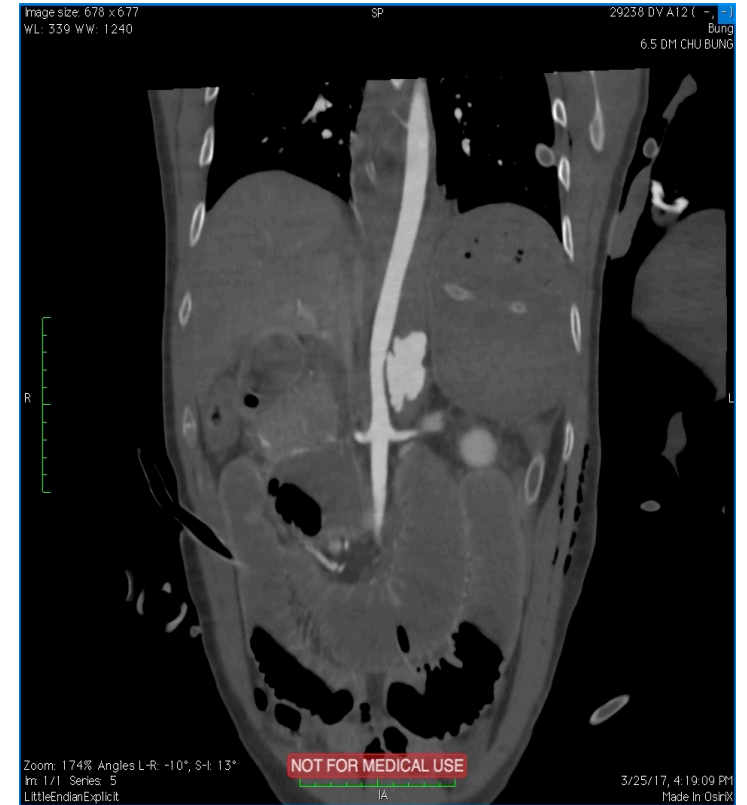
Kaplan-Meier curve of study survival.



CASE 1



CASE 2



CASE 3





CONCLUSION



- Endovascular repair to treat aortic disease is a safe and highly effective method.
- To completely treat the aortic disease undergoing hybrid procedure, the procedure should be considered in the Hybrid operation Room.



THANK YOU FOR

YOUR ATTENTION!!!

