

0-1-C1237 : Brucella tricuspid endocarditis : Case report

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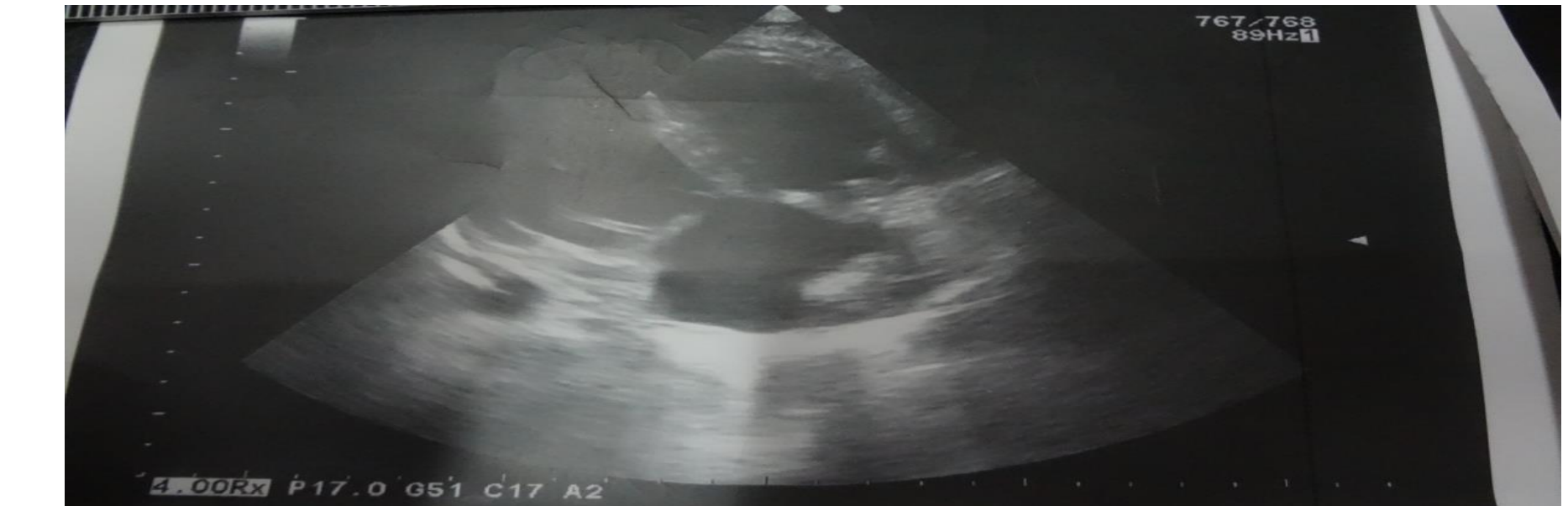
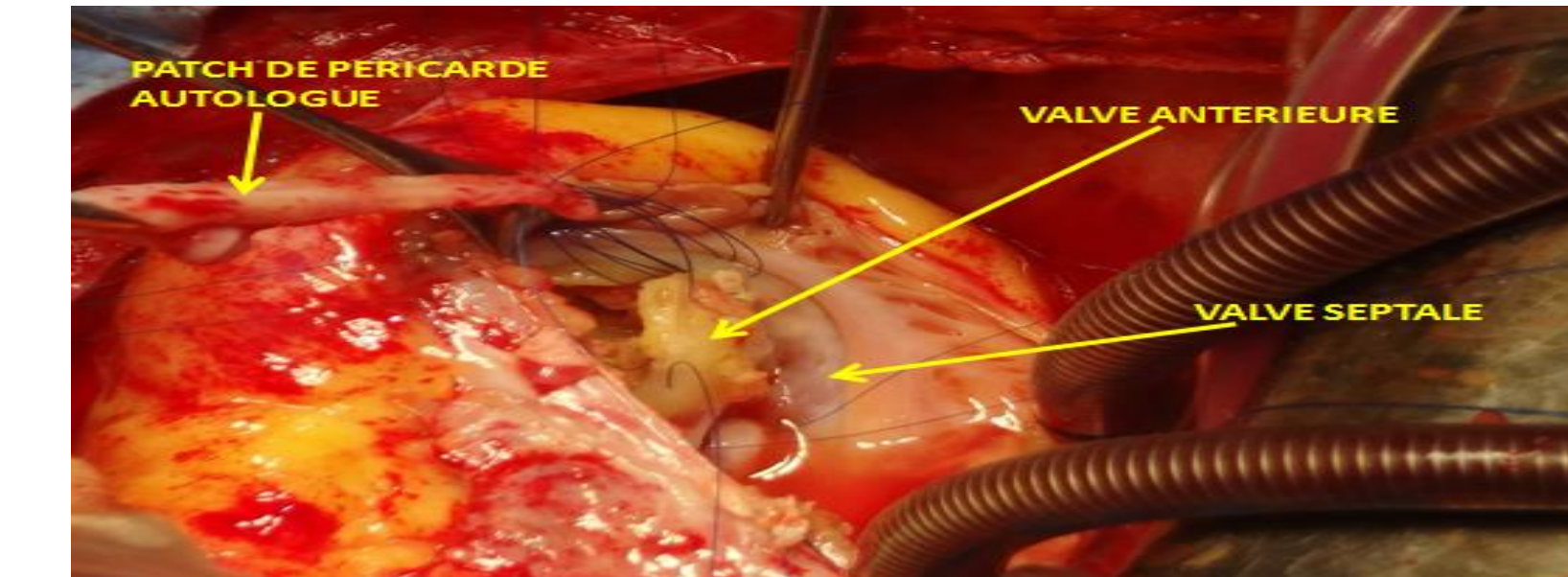
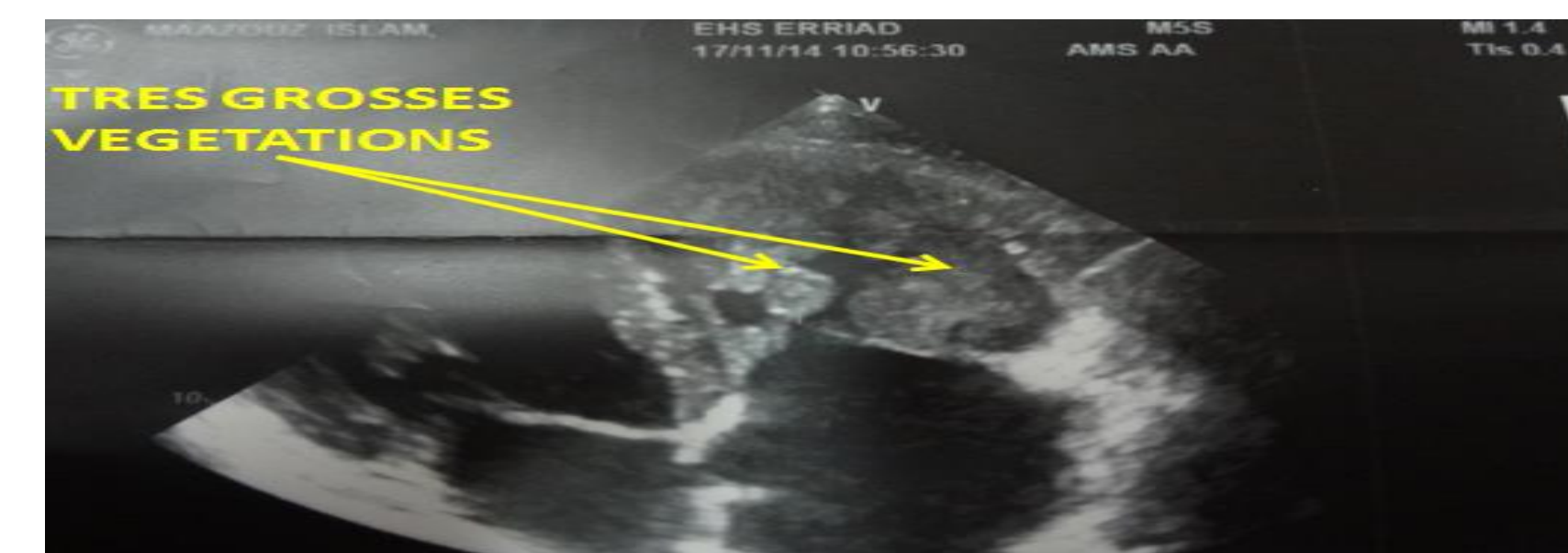
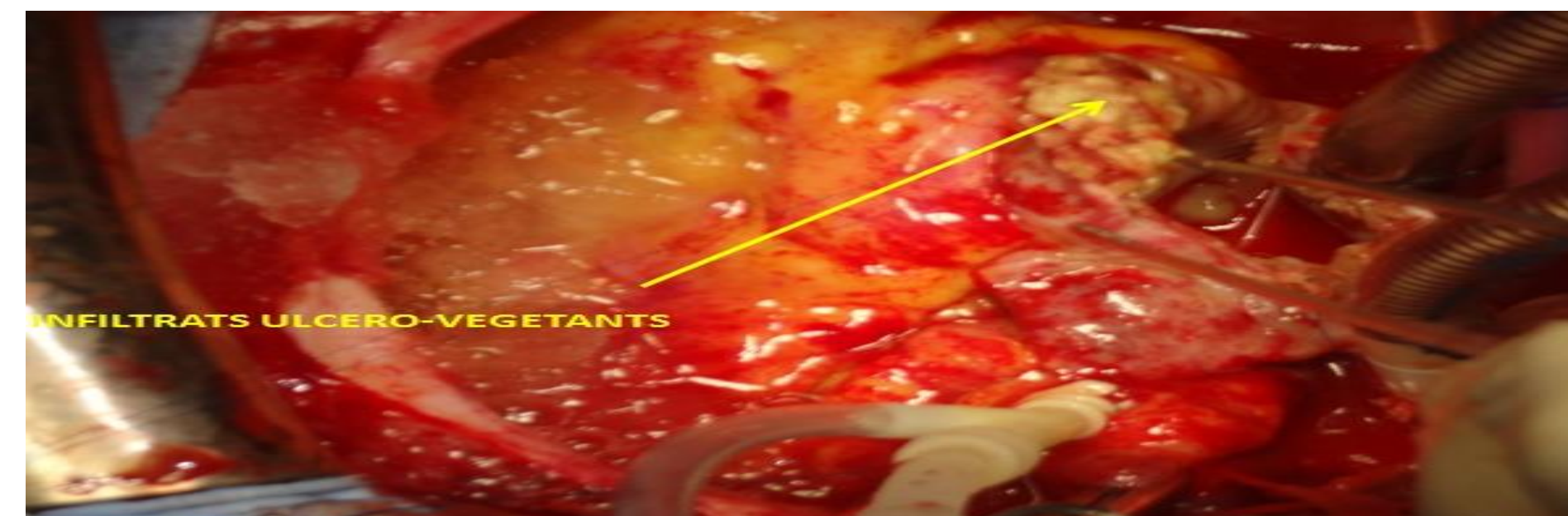
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Introduction :

- *Brucella tricuspid endocarditis is a very rare.
- *The diagnostic is made by serology and echocardiography (TTE).
- *Currently with medical treatment and the progress of cardiac surgery prognosis is favourable and the healing is possible.
- *This new report case is an opportunity for us to make a reminder of this little-known entity among cardiologists and heart surgeon.

méthods :

- *We report the case of 15 years old children who present persisant fever and dyspnea.
- ***The physical exam** found asystolic murmur.
- ***Chest X-ray** showed cardiomegaly.
- ***Echocardiography**:demonstrated vegetations in chordate, papillary muscle, infundibulum, and left pulmonary artery with tricuspid insufficiency III.
FE :46%, FR :23%, PAPS : 50 mmhg.
- ***CTangio** : proximal emboli of left pulmonary artery.
- ***Blood culture**: positives Brucella melitensis .
- ***Serology** :positive.
- *The patient was opered under cardiopulmonary bypass. The approach was sternotomy .
- *The per operative exploration :
- * *The giesture was excision of tricuspid and pulmonary vegetations and tricuspid repair under cardiopulmonary bypass.*



Résultats :

- *Aortic clamping: 72mn, duration of CPB: 90mn.
- *The immediate postoperative course were simple.
- *Stay in intensive care unit :48 hours .
- *Intubation procedure :16hours .
- *post operative stay :7days
- *fraction d éjection conservée :65%.

Conclusion :

- *Brucella endocarditis is an uncommon, but serious complication of brucellosis.
- *The tricuspid valve is rarely affected cardiac valve.
- *Due to characteristics of the infection, medical therapy alone is not sufficient in treating the disease and best results are obtained with surgery combination.
- *We describe a case of Brucella endocarditis involving the tricuspid valve suspected in front of the clinical data and the results of serology, confirmed by the culture of the native valves .
- *In association with the medical treatment, management valve surgery lead to a favorable medium-term evolution.

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