

CASE OF THE WEEK

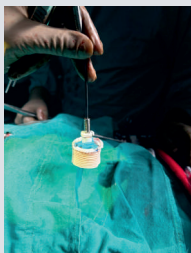
LIFE WINS

TOPIC: BIOCHIMNEY TECHNIQUE

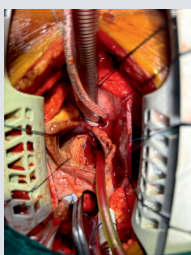


Dr. Akshay Singh

Consultant - CVTS



Biochimney



Biochimney seated well

36 year old female presented to our hospital with chief complain of breathlessness and palpitation. On work up she was diagnosed to have **LUTEMBACHER'S SYNDROME**. These subsets will have atrial septal defect (**ASD**) with **acquired mitral valve pathology** (stenosis or regurgitation). Patient was offered surgical option- MVR with ASD closure. Patient was taken for surgery and on table she had **very small mitral annulus**, even the smallest mechanical valve was not seating well. Hence on table decision was taken to go for "**BIOCHIMNEY**".

Bioprosthetic (**NEO MERIL**) valve of size 25mm was chosen for this procedure and was sutured to 26mm Dacron graft. **Neo Meril** is a bovine pericardial valve and has long term **durability** and great **hemodynamic compatibility**.

Mitral annulus was then sutured with this **composite graft**.

Later atrial septal defect was closed with a large pericardial patch.

This procedure of putting a floating valve is called as "**BIOCHIMNEY TECHNIQUE**".

Patient did well in ICU and patient was being discharged in stable condition in few days.

This procedure is very very uncommon and it was done in rare condition (**Lutembachers Syndrome**) (**Incidence rate 0.6%**) which makes this a rare case scenario.

CALL FOR MORE DETAILS

 **0712-6624100**