

CHANGE THE COURSE OF HEART FAILURE FOR SELECT HEART FAILURE PATIENTS WITH CLINICALLY

SIGNIFICANT SECONDARY MITRAL REGURGITATION



Scan the QR code with your mobile device to learn more about mitral regurgitation



VASTLY UNDERTREATED. IMPACTING SURVIVAL.

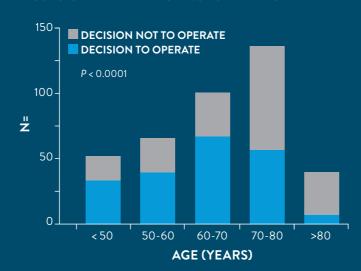
HIGHLY PREVALENT¹



1 in 5 of your heart failure patients have moderateto-severe and severe secondary MR.1-6*

VASTLY UNDERTREATED

SURGICAL INTERVENTION NOT OFFERED OR DENIED**



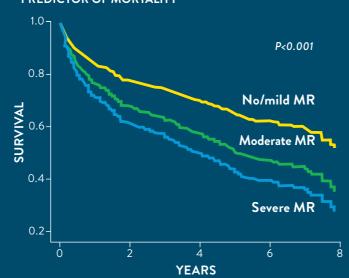
49% of patients with symptomatic severe MR were not operated due to age, co-morbidities, or impaired LV.7

SIGNIFICANT IMPACT ON MORTALITY



If left untreated, MR initiates a cascade of events leading to death.

SEVERE SECONDARY MR IS AN INDEPENDENT PREDICTOR OF MORTALITY¹¹



Heart failure (HF) patients with severe secondary MR have an even poorer prognosis.11

WHAT ARE THE SYMPTOMS OF MR?

In some cases, patients may have MR but not experience any symptoms. In other cases, patients may develop symptoms of heart failure such as:12-14



- Fatigue
- Inability to exercise
- Decrease in appetite
- Dry, hacking cough (often worse when lying down)
- Shortness of breath (especially at night)
- Fainting
- Weight gain from retaining fluid
- Accumulation of fluid in feet, ankles, and lungs (edema)

WHAT ARE THE TREATMENT OPTIONS?





MEDICATIONS

A number of medical therapies are available that can treat the symptoms of MR, but they do not address the underlying pathology. ¹⁵ Patients with heart failure and clinically significant mitral regurgitation are on guideline-directed medical therapy (GDMT).





SURGERY (PRIMARY MR)

Surgical management, in the form of mitral valve repair or replacement, is the standard of care for patients with severe primary mitral regurgitation. However, up to 50% of patients with MR may not meet the eligibility criteria due to risks associated with age or the presence of comorbidities. ¹⁶ For patients with severe secondary mitral regurgitation, guideline-directed medical therapy is the current standard of care.





CARDIAC RESYNCHRONISATION THERAPY (SECONDARY MR)

Cardiac resynchronisation therapy is an option recommended for select HF patients.⁷





TRANSCATHETER MITRAL VALVE REPAIR (TMV_r) WITH MITRACLIP

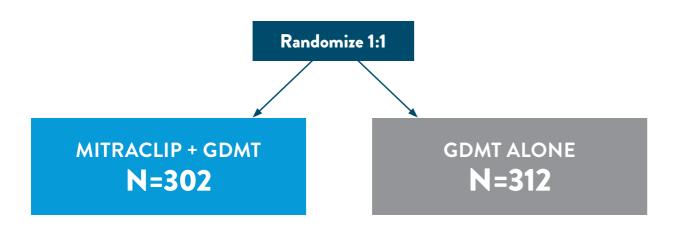
TMVr is a minimally invasive mitral valve repair option for patients with MR who are not considered to be suitable candidates for surgery.¹² MitraClip is the only minimally invasive repair option that is included in the ESC heart valve guidelines.12-14

^{*}Heart Failure patients with reduced EF and with moderate to severe and severe secondary MR.
**Based on a survey of severely symptomatic MR patients in NYHA Class III-IV (n = 396); 10% had surgery the following year. The remainder had no surgery;

² INFORMATION CONTAINED HEREIN FOR DISTRIBUTION IN AUSTRALIA AND NEW ZEALAND ONLY. CHECK THE REGULATORY STATUS OF THE DEVICE IN AREAS WHERE CE MARKING IS NOT THE REGULATION IN FORCE.



A LANDMARK STUDY. TO ESTABLISH A NEW STANDARD OF CARE.¹⁷





Published in the New England Journal of Medicine, the COAPT Trial was a parallel-controlled, open-label, multicenter trial in 614 patients with heart failure and moderate-to-severe (3+) or severe (4+) secondary MR who remained symptomatic despite maximally-tolerated GDMT.¹⁷

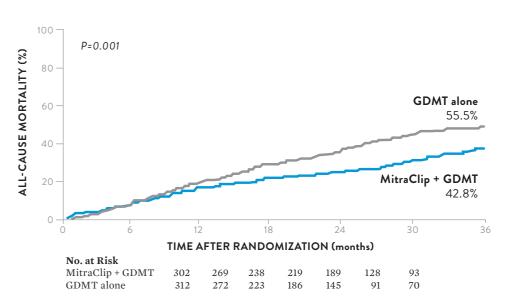
PRIMARY ENDPOINTS:

Effectiveness: All HF hospitalizations through 24 months, analyzed when last patient completes 12-month follow-up

Reduces Complications: 96.6% reported freedom from device-related complications through 12 months

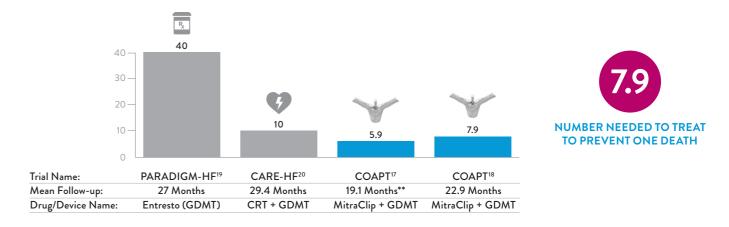
MR KILLS—THE COAPT TRIAL SHOWS THAT IT IS NOT JUST A MARKER

MITRACLIP THERAPY SAVES LIVES¹⁸





NUMBER NEEDED TO TREAT (NNT) TO PREVENT ONE DEATH FROM ANY CAUSE*

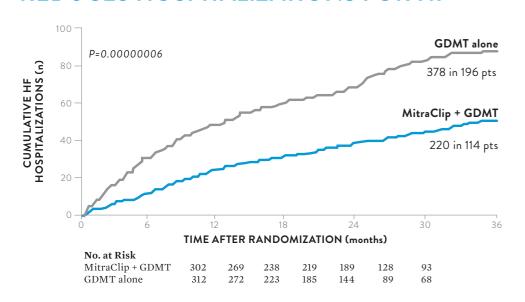


^{*}Data from different trials with similar follow up periods; incremental benefits due to test drug/device above background therapy.

**Median follow-up duration.

MITRACLIP IS THE ONLY DEVICE THERAPY SHOWN TO IMPROVE SURVIVAL OF HEART FAILURE PATIENTS WITH SECONDARY MR¹⁷

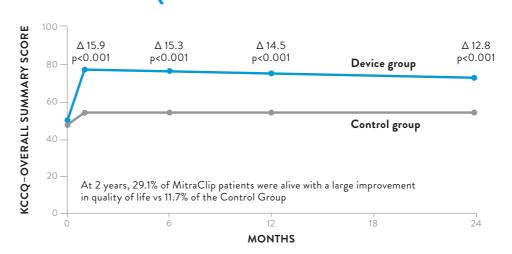
REDUCES HOSPITALIZATIONS FOR HF¹⁸







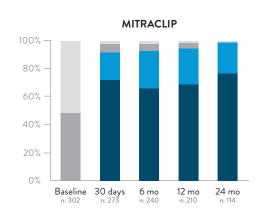
IMPROVES QUALITY OF LIFE21

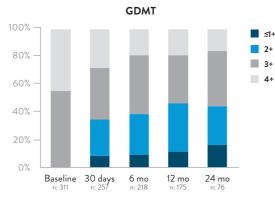




Note: KCCQ Minimum for Clinically Important Difference (MCID)= 5 points; Large Improvement Defined as ≥20 Points in KCCQ from baseline; quality of life is assessed only in surviving patients

PROVIDES DURABLE MR REDUCTION¹⁷





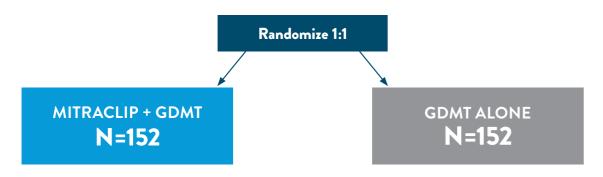


Note: Unpaired data



WHAT IS THE MITRA-FR TRIAL AND WHY ARE THE RESULTS DIFFERENT FROM COAPT?

THE MITRA-FR TRIAL²²



- The MITRA-FR trial was an independent multicenter, randomized, open-label, controlled phase 3 trial that was conducted in France
- Hospices Civils de Lyon, a public academic institution assumed overall responsibility for the trial
- Primary funding was provided by the French Ministry of Health and Research National Program
- Abbott provided the devices

PRIMARY ENDPOINT:

• All cause deaths or unplanned hospitalization for heart failure at 12 month

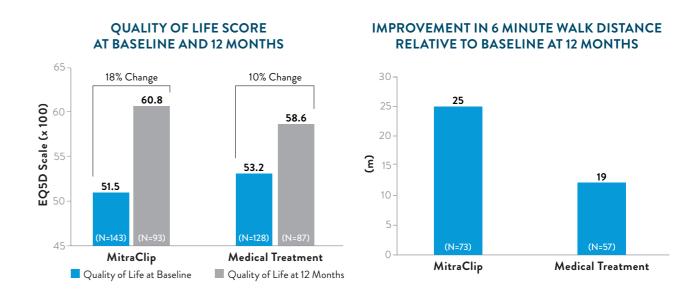
MITRA-FR AND COAPT ARE 2 DIFFERENT TRIALS THAT STUDIED 2 DIFFERENT PATIENT GROUPS²³

	MITRA-FR	COAPT
Severe MR entry criteria	Severe SMR by EU guidelines: EROA >20 mm² or RV >30 mL/beat	Severe SMR by US guidelines: EROA >30 mm² or RV >45 mL/beat
% of patients with an EROA <0.3 cm ²	52%	14%
LVEDV	70% of patients had an LV EDD >65 mm	Exclusion criteria of patients with LVESD >70mm
GDMT at baseline and FU	Receiving HF meds at baseline— allowed variable adjustment in each group during follow-up per "real-world" practice	CEC confirmed pts were failing maximally-tolerated GDMT at baseline—few major changes during follow-up
Acute results: No clip / ≥3+ MR	9% / 9%	5% / 5%
Procedural complications*	14.6%	8.5%
12-mo MitraClip ≥3+ MR	17%	5%
Mortality outcomes	No difference in device vs control group	38% reduction

*MITRA-FR definition: device implant failure, transfusion or vascular complications requiring surgery, ASD, card shock, cardiac embolism/stroke, tamponade, urgent cardiac surgery

HOWEVER, QUALITY OF LIFE IMPROVED IN THE MITRACLIP GROUP²²

The Quality of Life score (according to the EQ5D scale developed by the EuroQol group) and the 6 Minute Walk Test Distance were higher at 12 months in the MitraClip group than in the control group at 12 months.

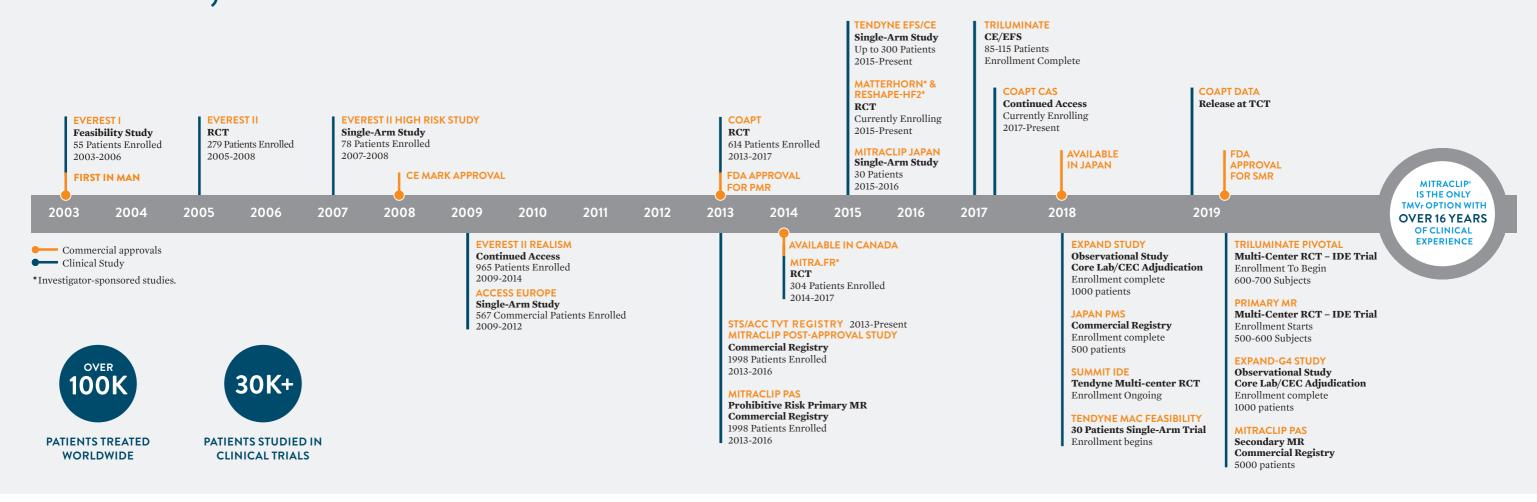


CLINICAL BENEFITS FOR BROAD RANGE OF PATIENTS WITH SMR ARE DEMONSTRATED WITH MITRACLIP²²

PATIENT SUBGROUP		Clinical Outcomes
EROA > 0.30 cm ² or LVEDVi ≤ 96 mL/m ² [90% of COAPT Pts]	COAPT ¹⁷	Reduces MR, reduces heart failure hospitalizations, improves survival, quality of life, and functional capacity
EROA ≤ 0.30 cm ² or LVEDVi > 96 mL/m ² [10% of COAPT Pts]	COAPT ¹⁷ (MITRA-FR like)	Improves quality of life and functional capacity
EROA > 0.20 cm ² LVEDVi 135 ± 35 mL/m ²	MITRA-FR ²²	Reduces MR, improves quality of life and functional capacity*
Broad range of patients with SMR	EVEREST II ²⁴⁻²⁵ , ACCESS-EU ²⁶⁻²⁸ , REALISM ²⁹⁻³⁰ , TRAMI ³¹⁻³³	Reduces MR, reduces heart failure hospitalizations, improves quality of life, and functional capacity

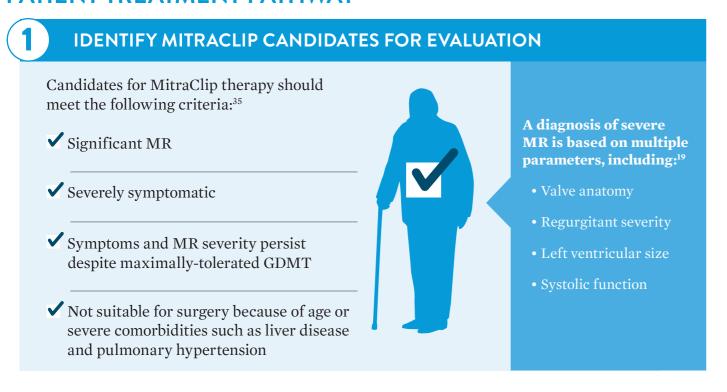
^{*}Table 56, Supplement to Obadia JF et al. Percutaneous repair or medical treatment for secondary regurgitation. N Engl J Med 2018; 379:2297-2306.

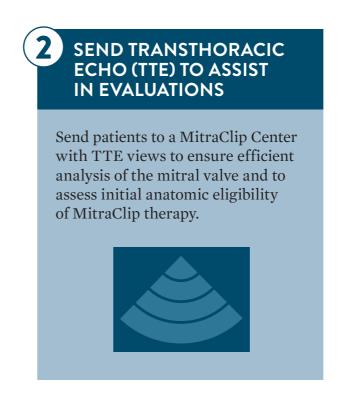
GLOBALLY, MITRACLIP HAS OVER 16 YEARS OF CLINICAL EXPERIENCE³⁴

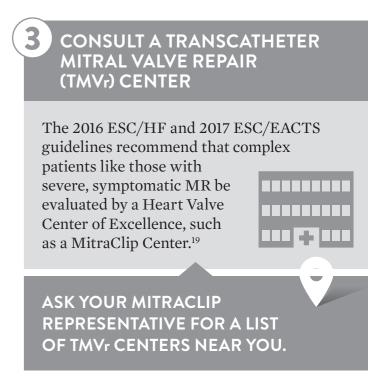


TAKING ACTION FOR MR PATIENTS

PATIENT TREATMENT PATHWAY







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Abbott Australasia Pty Ltd: 299 Lane Cove Road, Macquarie Park, NSW, Australia 2113, Tel: 1800 550 939 Abbott Laboratories (NZ) Limited: Building D, 4 Pacific Drive, Mount Wellington, Auckland 1641, Tel: 0800 827 285

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