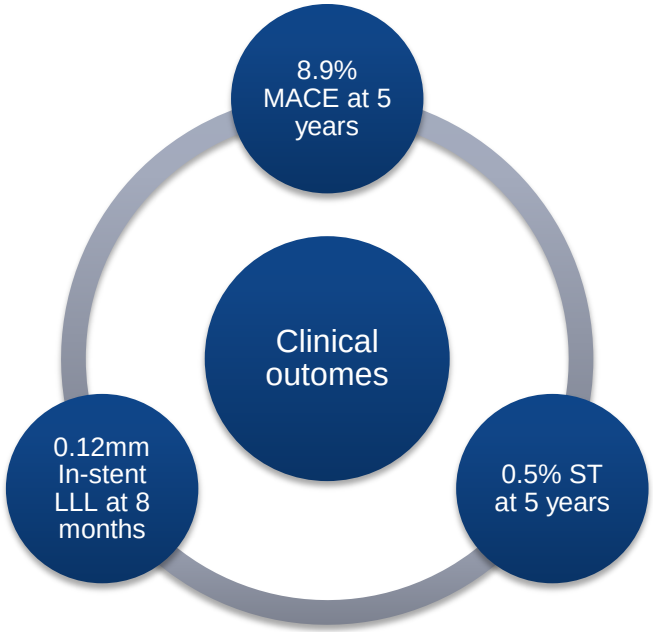
The meriT-2 Study

Study Highlights

- Principal Investigator: Dr. Ashok Seth
- Angiographic follow-up 8-month and clinical follow-up at 5-year
- The meriT-2 study has established the safety and efficacy of BioMime SES in complex patients



❖ **Study design**

A multicenter, prospective, non-randomized, single-arm study

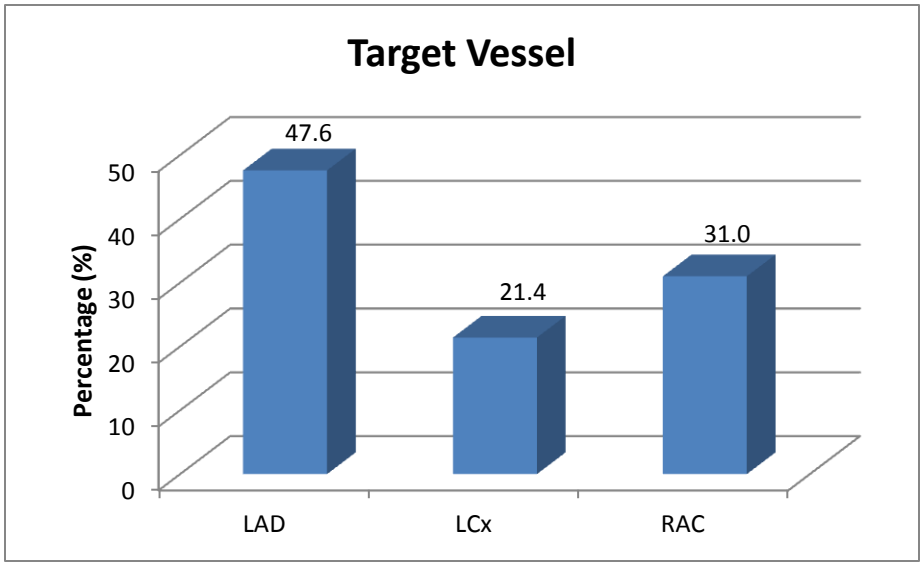
250 patients were enrolled at 11 centres across India

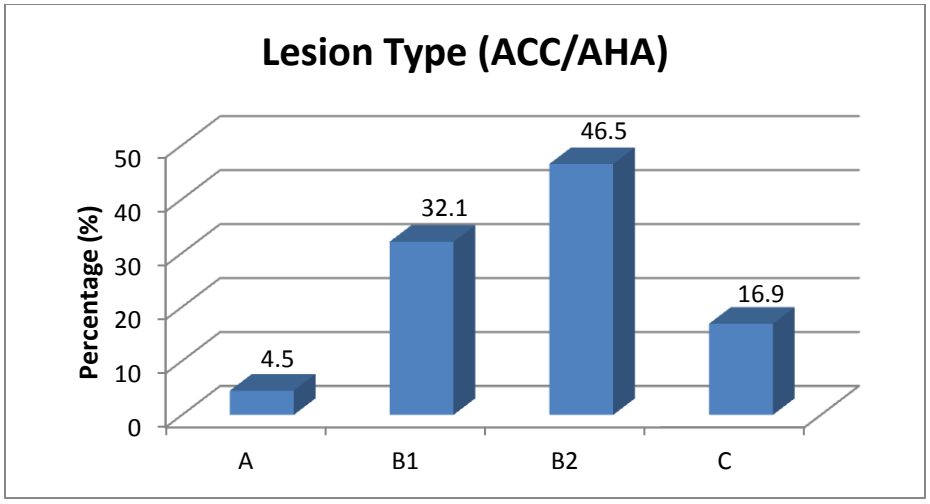
Clinical follow-up at 1 month, 6 months, 8 month, 12 months, 36 months and 60 months

Angiographic follow-up at 8-month

Analysed by Cardiovascular Research Centre, Sao Paulo, Brazil

❖ **Results**


Target Vessel
Percentage (%)
0
10
20
30
40
50
47.6
21.4
31.0
LAD
LCx
RAC


Lesion Type (ACC/AHA)
Percentage (%)
0
10
20
30
40
50
4.5
32.1
46.5
16.9
A
B1
B2
C

❖ References

1. ClinicalTrials.gov Identifier: NCT02406326
   https://clinicaltrials.gov/ct2/show/NCT02406326?term=BioMime&cond=Coronary+Artery+Disease&rank=4
2. CTRI Number: CTRI/2016/11/007440
   http://ctri.nic.in/Clinicaltrials/pmaindet2.php?trialid=15739&EncHid=&userName=
3. Seth A, Wander GS, Mullasari A, Nanjappa MC, Heggunje-Shetty P, Alexander T, et al. Late angiographic and clinical outcomes of the novel BioMime™ sirolimus-eluting coronary stent with ultra-thin cobalt-chromium platform and biodegradable polymer for the treatment of diseased coronary vessels: results from the prospective, multicentre meriT-2 clinical trial. AsiaIntervention. 2016;2:19-27.
4. Abreu-Silva Ed, Costa R, Seth A, Kaul U, Mathew SK, Wander G, et al. TCT-650 Impact of the New BioMime™ Sirolimus-Eluting Stent in Comlex Patients of Daily Practice – Preliminary Results of the MeriT-2 Study. Journal of the American College of Cardiology. 2012;60(17 Supplement):B189.
5. Seth A, Wander G, Sankardas MA, Nanjappa MC, Heggunje PS, Alexander T, et al. CRT-700.04 Three-year Clinical Outcomes Of Biomime Sirolimus-eluting Coronary Stent System With A Biodegradable Polymer In Coronary Artery Disease Patients: A Long-term Follow-up Of The meriT-2 Study. JACC: Cardiovascular Interventions. 2017;10(3 Supplement):S58.
6. Costa RA, Abizaid A, Dani S, Joshi H, Wander GS, Hardas S, et al. TCT-212 Efficacy of the Novel BioMime Sirolimus-Eluting Stents with a Biodegradable Polymer in the Treatment of De Novo Coronary Lesions: An Angiographic Subanalysis of the Combined meriT-1 and meriT-2 Prospective Clinical Trials. Journal of the American College of Cardiology. 2013;62(18 Supplement 1):B68.