

MINIMALLY INVASIVE DIRECT CORONARY ARTERY BYPASS GRAFT SURGERIES LEAD TO BETTER OUTCOMES

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BACKGROUND

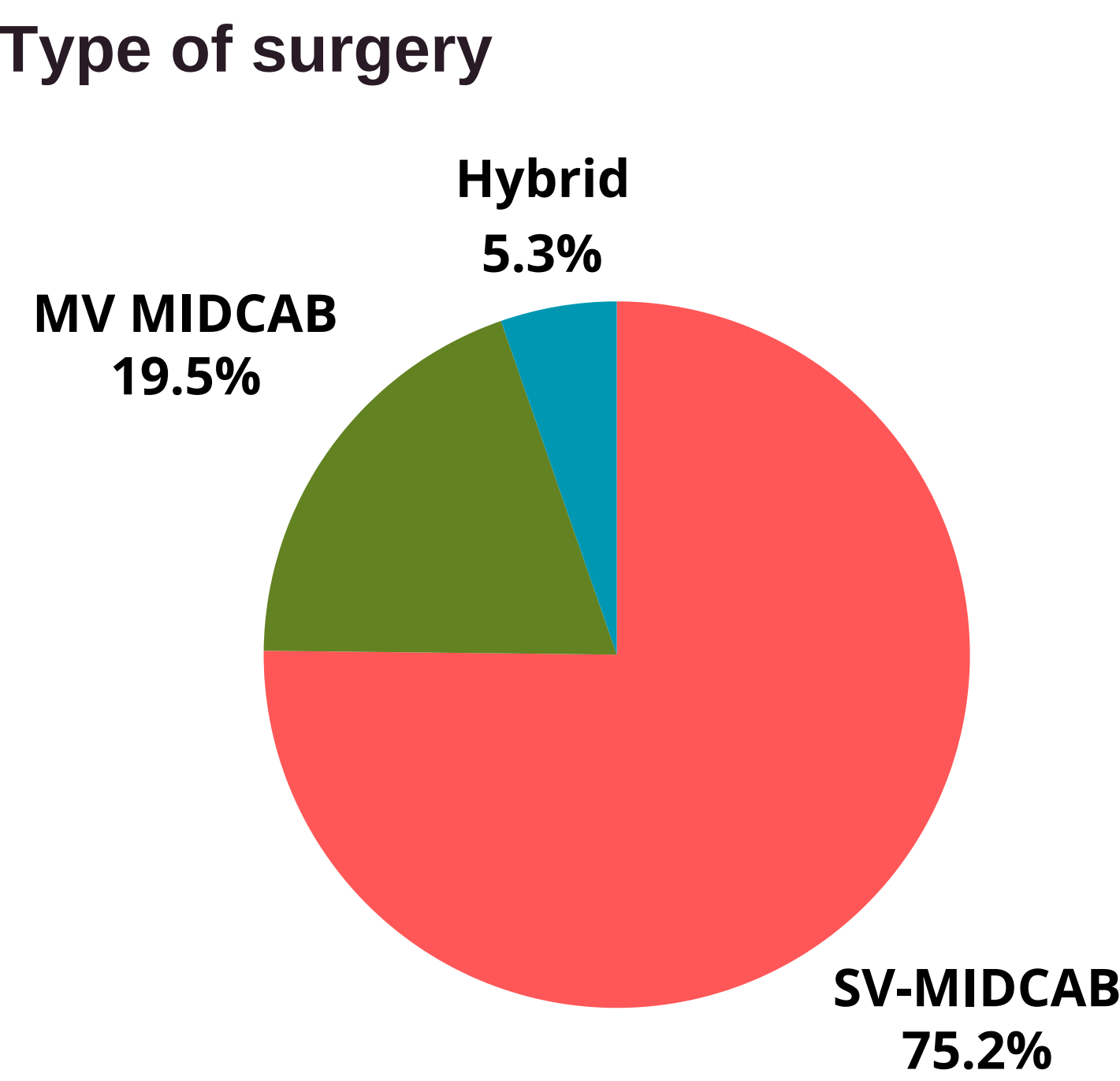
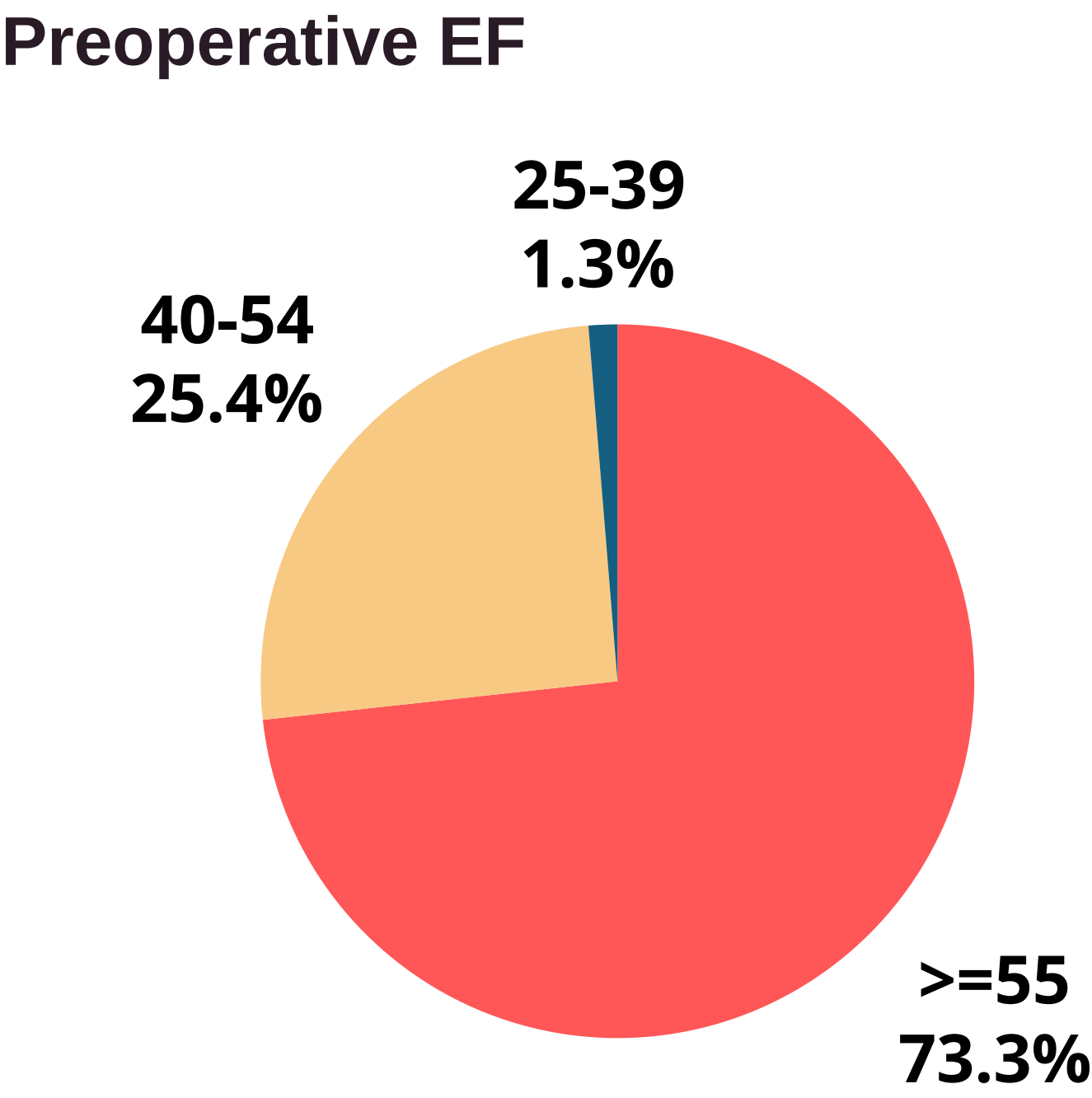
The minimally invasive direct coronary artery bypass grafts (MIDCABs) surgeries are known to facilitate early recovery after cardiac surgery. This study analyses the outcome of MIDCABs conducted at a single center in Sri Lanka.

METHODS

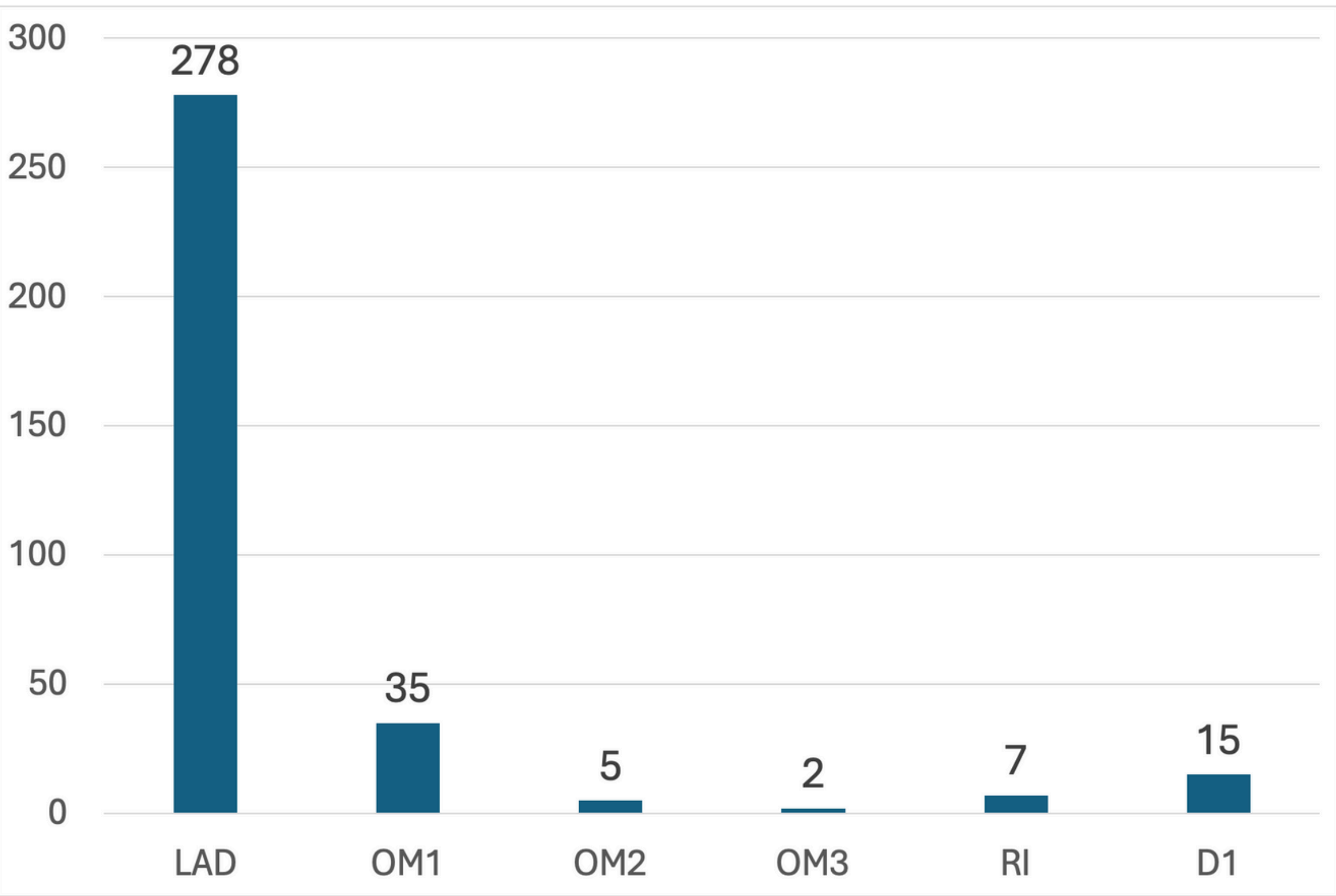
This retrospective descriptive study included all the MIDCABs done from February 2014 to March 2023 with a total of 448 surgeries in a single institution. There are only 282 patients’ data available to analyze. All the data were derived from both electronic and hard copies of BHTs (Bed head tickets) available. The data were analyzed using IBM SPSS version 23.0.

RESULTS

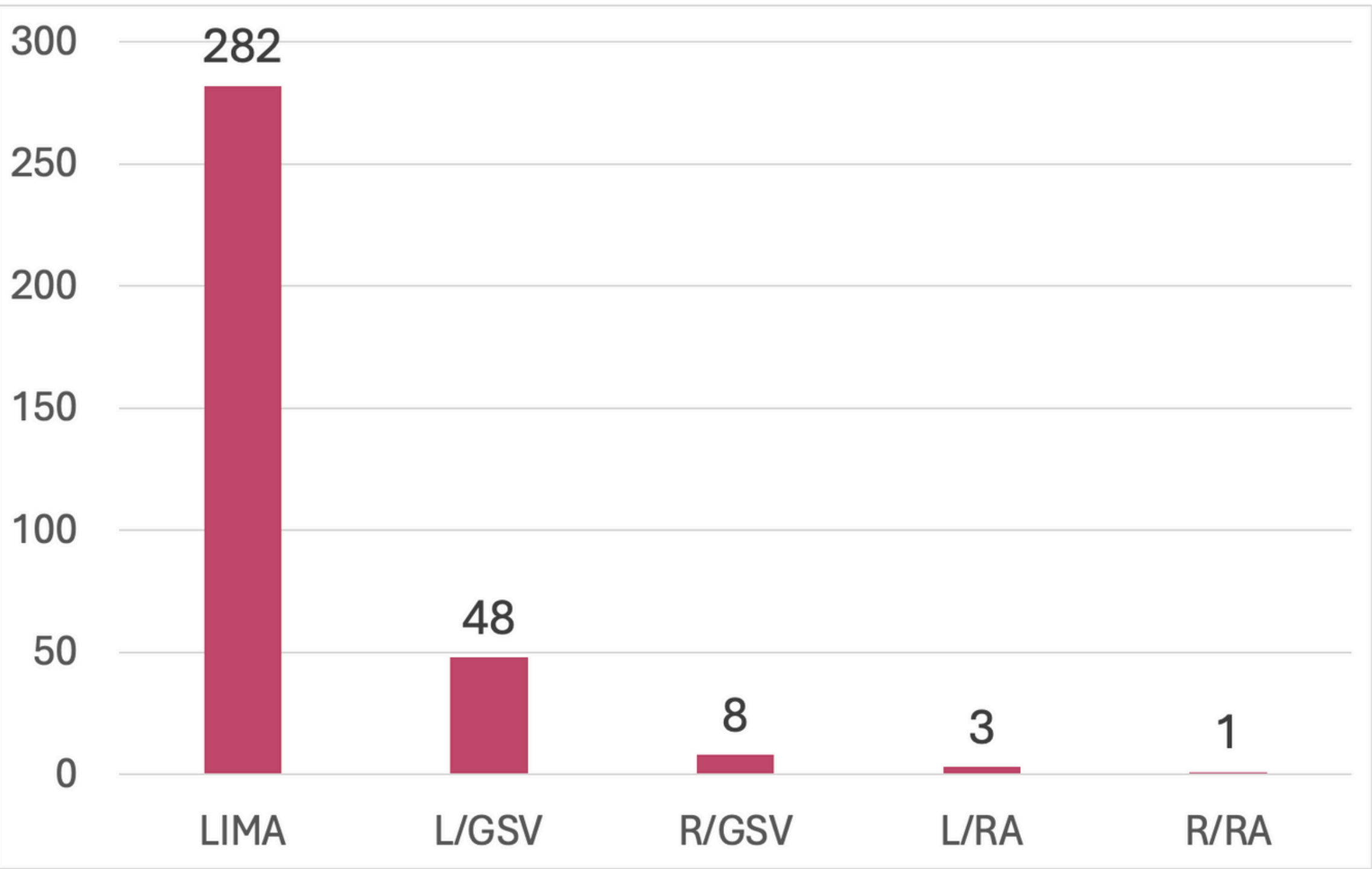
Mean age: 56.09±9.67 years
Males: 206 (73%) Females: 76 (27%)



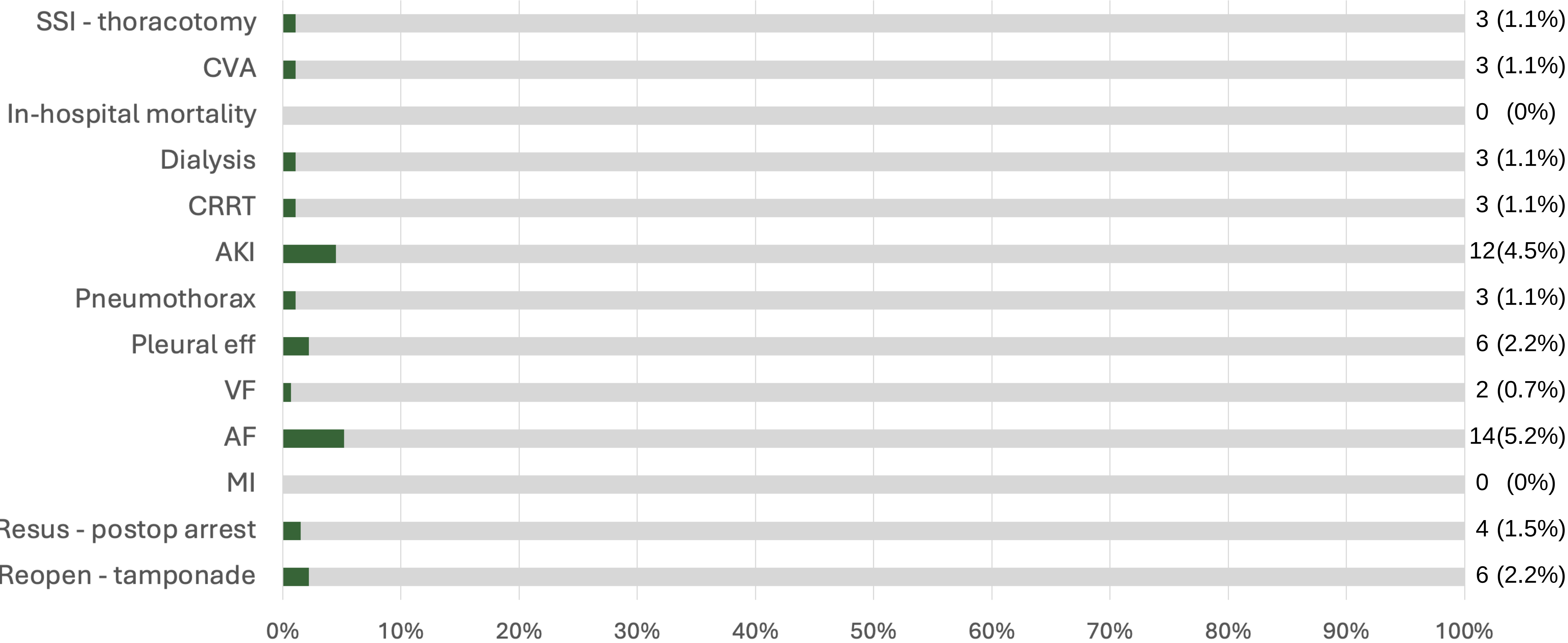
Target vessels



Graft vessels



Postoperative complications



Mean ICU stay

3.35 ± 1.86

Mean post op hospital stay

6.52±3.232

CONCLUSION

Minimally invasive direct coronary artery bypass shows good post operative outcomes and paves the way for early recovery after cardiac surgery. Prospective randomized trials comparing MIDCABs and conventional Coronary artery bypass grafts would give better evidence.