



Influence of background medical therapy on efficacy and safety of dapagliflozin in patients with heart failure with improved ejection fraction in the DELIVER trial

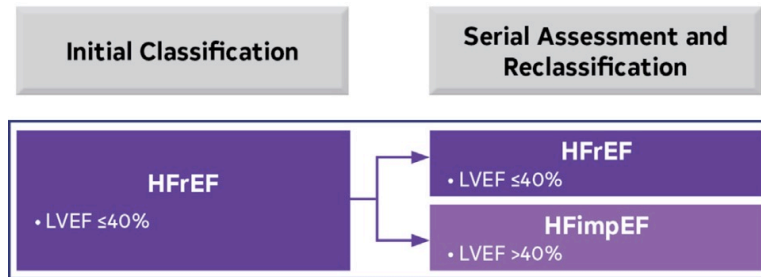
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Background

Current HF guidelines



Recognizing LVEF is dynamic, the AHA/ACC/HFSA 2022 Guidelines define HFimpEF as:

“Previous LVEF ≤40% and a follow-up measurement of LVEF >40%”
(as defined in the DELIVER trial)

COR LOE RECOMMENDATION

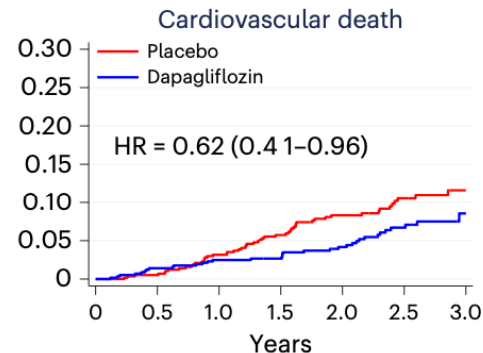
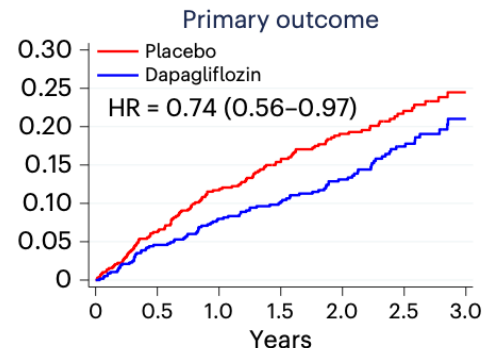
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B-R

1. In patients with HFimpEF after treatment, GDMT should be continued to prevent relapse of HF and LV dysfunction, even in patients who may become asymptomatic (1).

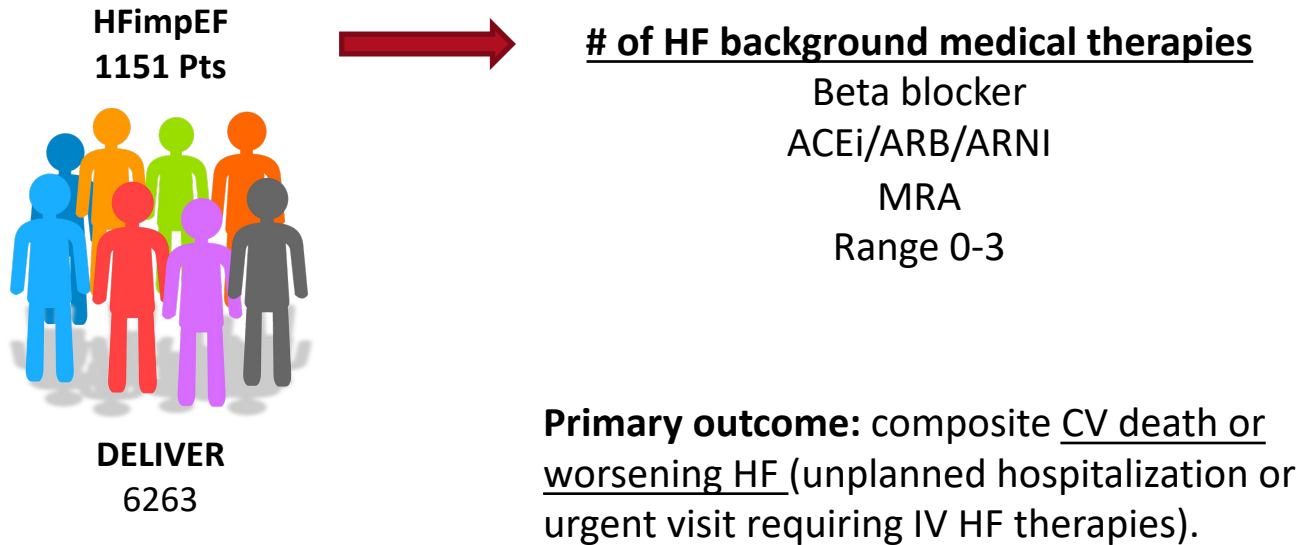
- Whether there is benefit of further optimization with additional therapies after improvement in LVEF is uncertain
- The HFimpEF has largely been excluded from pivotal trials supporting current GDMT recommendations

DELIVER



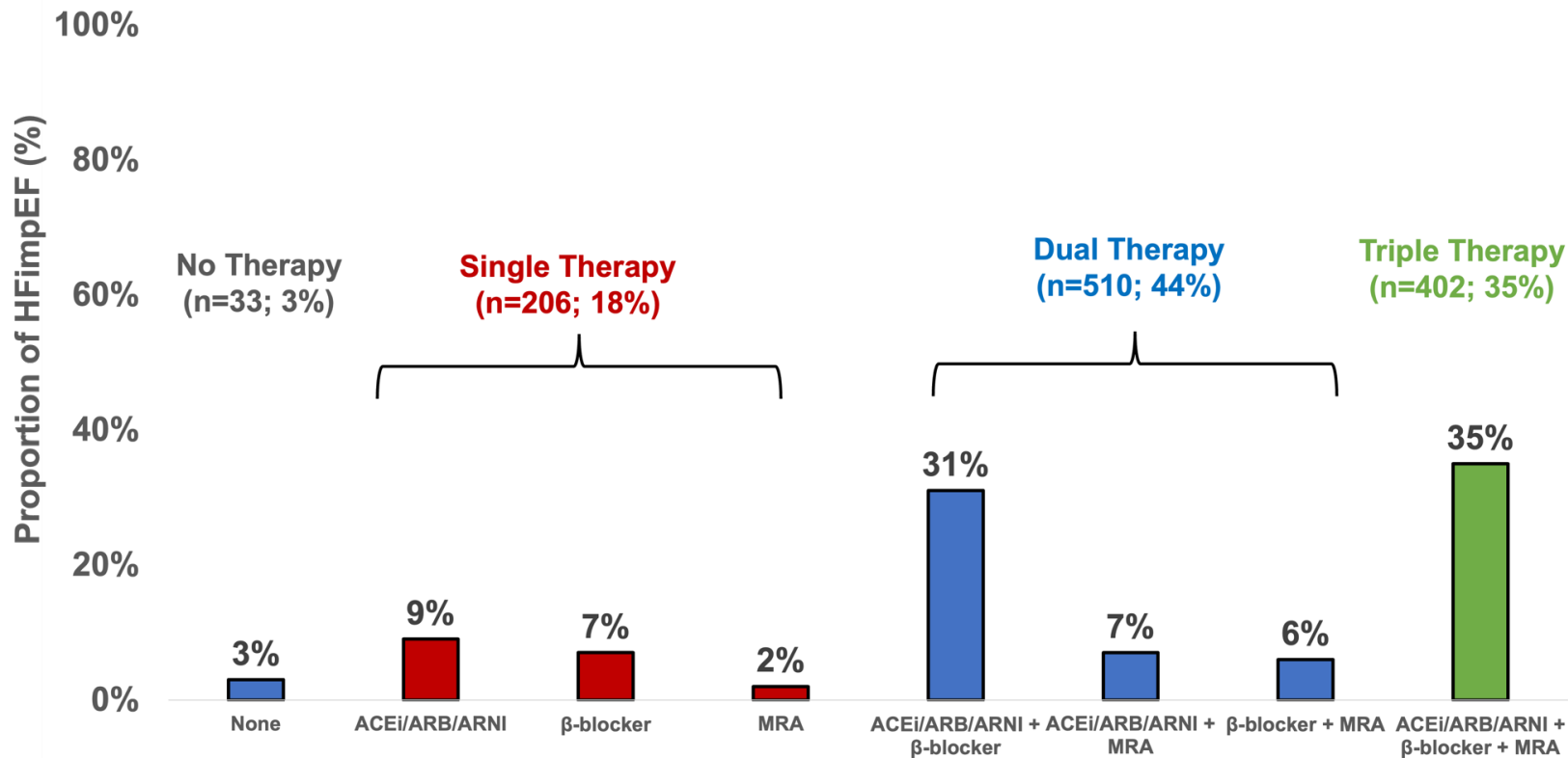
Methods

- Aim:** *To investigate the efficacy and safety of dapagliflozin in patients with HFimpEF by the number of HF medical therapies at baseline.*

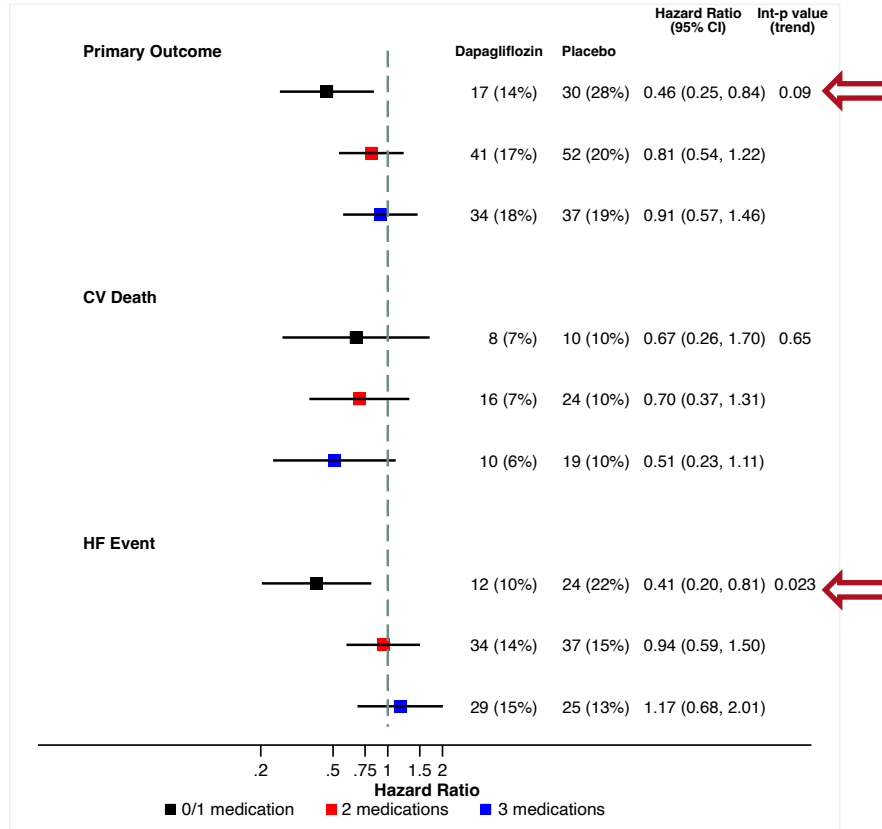


Baseline characteristics

Distribution of Medical Therapy in HFimpEF (n=1,151)



Event rates and treatment effect of dapagliflozin by background medications



Adverse effects (AE) by background HF medications

Variable	0-2 HF Medical Therapies			3 HF Medical Therapies		
	Dapa N=346	Placebo N=342	p	Dapa N= 226	Placebo N= 235	p
Safety outcomes – no. (%)						
Any serious AE	43%	49%	0.11	43%	45%	0.77
Discontinuation due to AE	7%	6%	0.68	5%	7%	0.37
Any AE leading to interruption of IP	13%	17%	0.18	15%	15%	0.96
Any renal serious AE	2%	3%	0.79	3%	3%	0.83

Conclusion

- The addition of dapagliflozin was safe and did not lead to a higher risk of adverse events among those with HFimpEF, including those treated with a BB, MRA and ACEi/ARB/ARNI at baseline.
- Patients on 0-1 HF medications at baseline may derive greater benefit of dapagliflozin in reducing the risk of worsening HF event, but the effects of dapagliflozin on other outcomes, such as CV death were consistent irrespective of background HF therapies.

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