

Scientific Sessions 2019



Efficacy and Safety of Sacubitril/Valsartan in High-Risk Patients in the PIONEER-HF Trial

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Disclosures

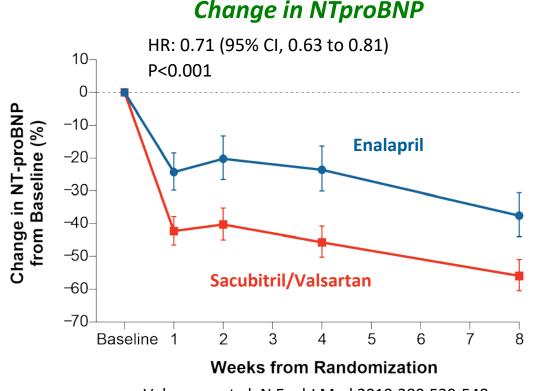
• I have no personal disclosures

• The PIONEER-HF trial was sponsored by Novartis

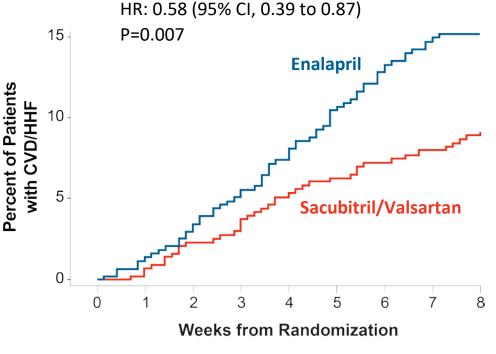
Background



- Pts with ADHF are at high risk for poor outcomes, including complications of therapy
- Among pts with HFrEF hospitalized for ADHF, in-hospital initiation of sacubitril/valsartan vs. enalapril was well-tolerated and led to a greater ↓ in NT-proBNP and ↓ rHHF/CVD



Re-Hospitalization for HF or CV Death



Morrow et al. Circulation 2019;139:2285–2288.

Objective



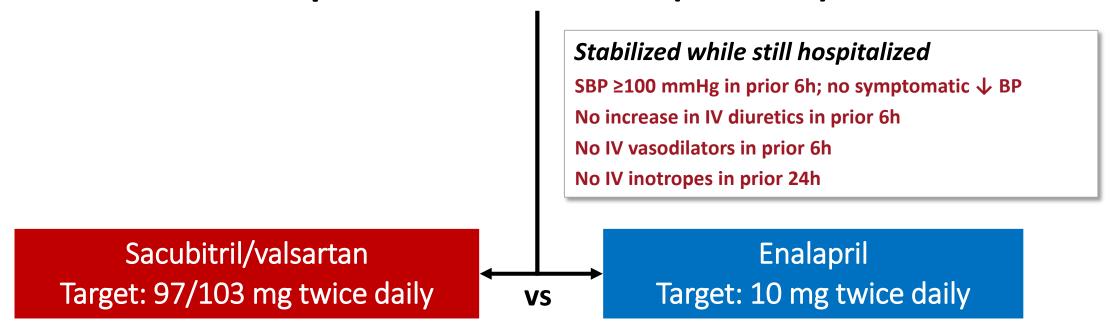
Given heightened clinical concern about in-hospital initiation of sacubitril/valsartan in *pts at higher risk of complications*, we assessed outcomes in *selected high-risk subgroups* in PIONEER-HF

Study Design



N = 881

Hospitalized with ADHF (EF≤40%)



Evaluate

- NTproBNP
- Safety and tolerability
- Clinical outcomes

In-hospital initiation

Blinded Study Rx for 8 weeks

Velazquez et al. AHJ 2018;198:145-51 Velazquez et al. N Engl J Med 2019;380:539-548

High-Risk Subgroups



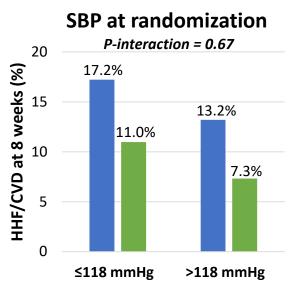
- SBP ≤118 mmHg (median) (n=440)
- LVEF ≤25% (n=573)
- NYHA class III/IV (n=627)
- NT-proBNP concentration >2701 pg/ml (median) (n=440)
- eGFR <60 ml/min/1.73 m² (n=455)
- ≥1 additional HHF within the prior year (n=343)
- Admission to the ICU during the index hospitalization (n=96)
- Use of inotropes during the index hospitalization (n=68)

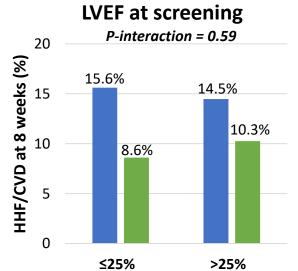
Rehospitalization for HF or CV Death (8 Weeks)

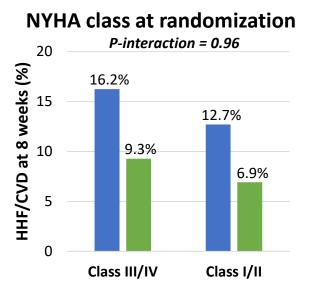


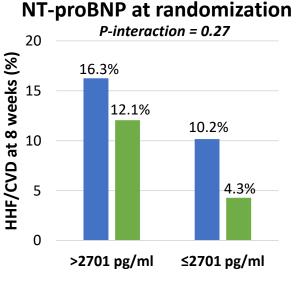
EnalaprilSacubitril/valsartan

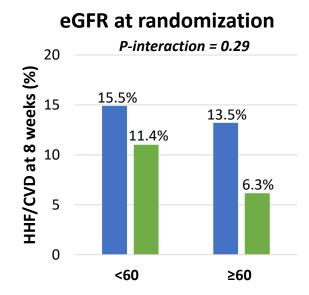
Overall RR (Sacubitril/Valsartan vs. Enalapril) 0.58 (95% CI, 0.39-0.87)

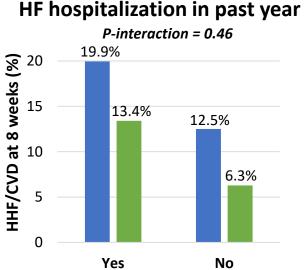


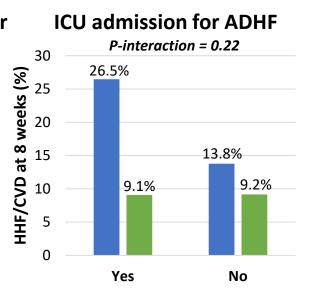


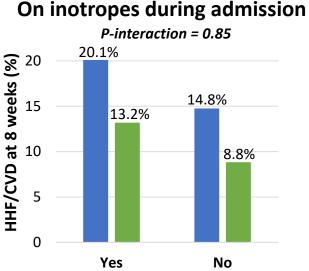








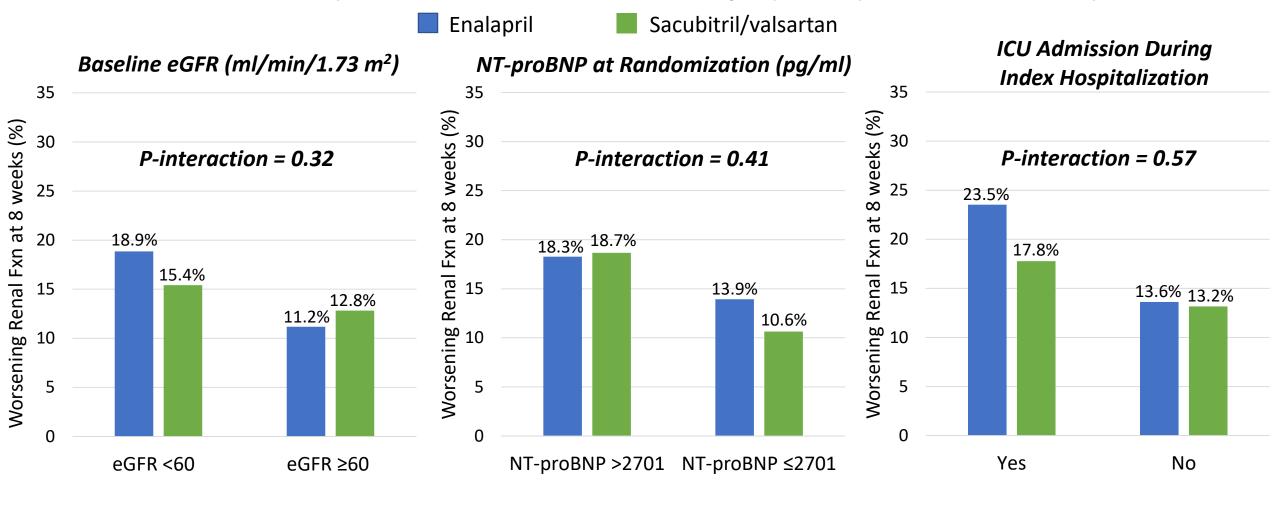




Worsening Renal Function through 8 Weeks



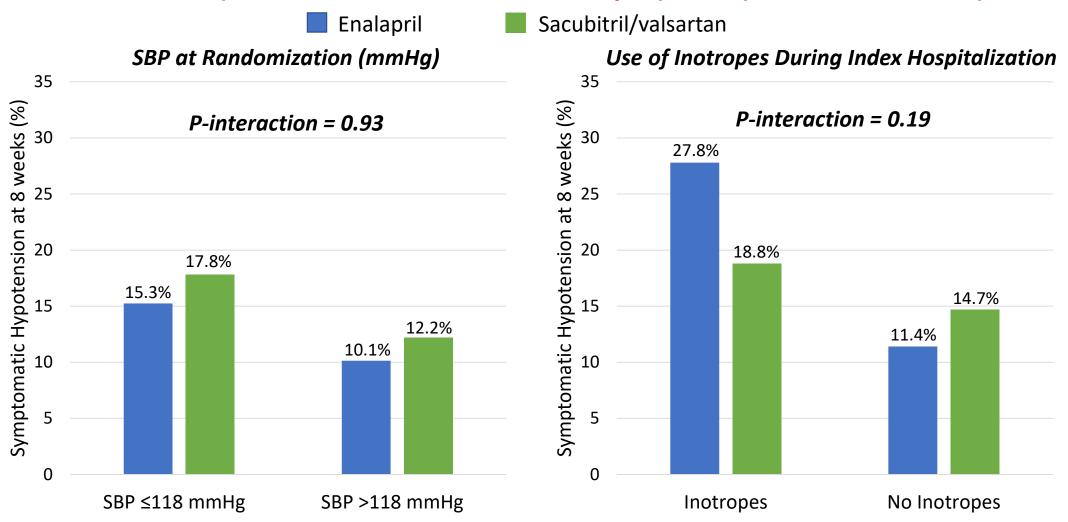
Overall RR (Sacubitril/Valsartan vs. Enalapril) 0.93 (95% CI, 0.67-1.28)



Symptomatic Hypotension through 8 Weeks



Overall RR (Sacubitril/Valsartan vs. Enalapril) 1.18 (95% CI, 0.85-1.64)



Summary



- In HFrEF patients hospitalized with ADHF at potentially higher risk of complications, there was a robust treatment effect and no evidence of lack of tolerability of sacubitril/valsartan vs. enalapril
- Consistent with the overall trial result, these data support in-hospital initiation of sacubitril/valsartan in even the most vulnerable patients with HFrEF who are stabilized during hospitalization for ADHF

Thank you!

