

# Kardio-Update 2022

HART & herzlich am See - Symposium

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## Herzinsuffizienz ist ein grosses weltweites Gesundheitsproblem<sup>1,2,3</sup>

**~64 Millionen** Patienten weltweit sind von einer Herzinsuffizienz betroffen und die Prävalenz wird voraussichtlich mit der alternden Bevölkerung zunehmen<sup>1,2</sup>

**Trends bei der weltweiten HI-Prävalenz und damit zusammenhängenden YLD<sup>3</sup>**

- Die HI-Prävalenz und die damit assoziierten YLD sind seit 1990 um 36 % angestiegen<sup>3</sup>
- Es wird erwartet, dass HI-bezogene YLD bis 2030 um weitere ~10% zunehmen werden<sup>3</sup>
- Es wird erwartet, dass die HI-Prävalenz bis 2030 um weitere ~15% zunehmen wird<sup>3</sup>

Adaptiert nach Lippi G et al.<sup>3</sup>

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## HI-Patienten haben ein sehr hohes Mortalitäts- und Hospitalisierungsrisiko<sup>1-3</sup>

**9 von 10 PATIENTEN** sind symptomatisch, selbst mit dem aktuellen Behandlungsstandard<sup>1,2</sup>

Fast ein Drittel der Patienten mit HF/EF hat ein hohes Risiko für Hospitalisierung oder CV-bedingten Tod, darunter auch solche, die stabil erscheinen<sup>2</sup>

■ Patienten mit HHI / CV-Tod  
■ Patienten ohne Ereignis

Auf Grundlage der NYHA-Klassifikation über einen Zeitraum von 4 Jahren, aus der CHARM-Studie von 2004<sup>2</sup>

Jede HHI lässt das Mortalitätsrisiko weiter ansteigen<sup>1,2</sup>

**TOD**

<sup>1</sup> Auf Grundlage einer prospektiven Beobachtungsstudie zu NYHA-klassifizierten Patienten mit chronischer HFrEF aus dem CONSENSUS-Register. <sup>2</sup> Auf Grundlage einer retrospektiven Analyse der Daten von 12.026 Patienten einer US-amerikanischen LSC (Long-Term Care/Rehabilitation/Discharge), die zum ersten Mal wegen Herzinsuffizienz in einer Gesundheitsversicherung angemeldet wurden, während sie sich über den Studienzeitraum von 7 Jahren (2007-2013) gegen das Eintreten von Hospitalisierung und CV-bedingten Todesereignissen zu wehren versuchten. <sup>3</sup> Es wurde eine globale Prävalenz und ein erhebliches Gesundheitsproblem festgestellt.

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## Wie verläuft eine Herzinsuffizienz?

**Kompensationsstatus\***

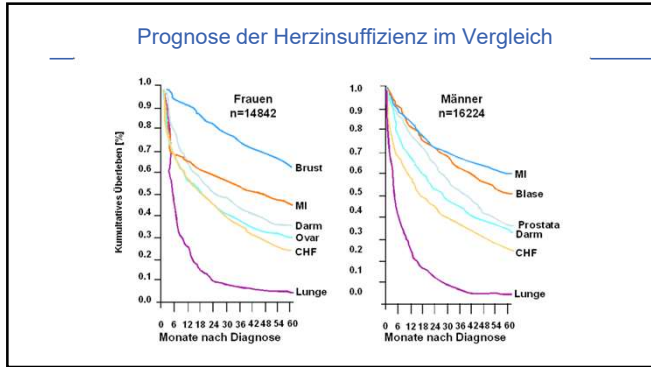
- Kompensation
- Chronische Dekompensation
- Akute Dekompensation

**Krankheitsverlauf<sup>1</sup>**

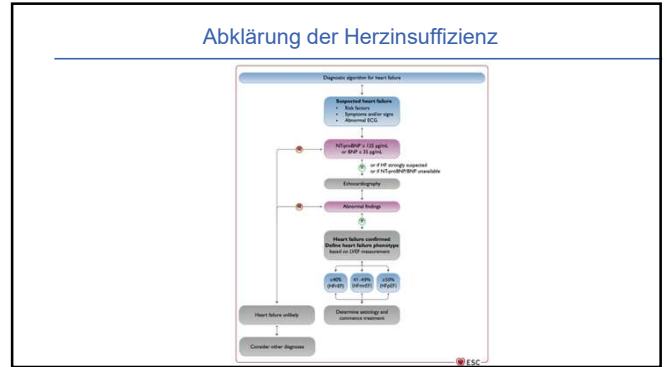
**NYHA-Klasse**

NYHA I → NYHA II → NYHA III → NYHA IV → Tod

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### Ursachen der Herzinsuffizienz

System	Ursachen	Diagnostik
Herz	Myokardinfarkt, Kardiomyopathie, Valvulopathie, Arrhythmie, Hypertonie, Myokarditis, Perikarditis, Kardiogenes Schock	EKG, Echokardiographie, Röntgen, Labordiagnostik
Blutgefäße	Arteriosklerose, Hypertonie, Diabetes mellitus, Nierenerkrankung, Schilddrüsenerkrankung	Blutdruckmessung, Labordiagnostik
Blut	Anämie, Eisenmangel, Erythrozytopenie	Hämoglobin, Eisen, Ferritin
Endorgane	Diabetes mellitus, Nierenerkrankung, Schilddrüsenerkrankung, Lebererkrankung	Labordiagnostik
Medikation	Diuretika, Beta-Blocker, Calciumantagonisten, Digoxin, Natriumfluorid	Anamnese, Labordiagnostik
Systemerkrankungen	Alkoholkonsum, Drogenkonsum, Anorektie, Sarkoidose, Amyloidose, Hämochromatose, Sichelzellanämie, Sarkom	Anamnese, Labordiagnostik, Bildgebung

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### Einteilung der Herzinsuffizienz

**Table 3** Definition of heart failure with reduced ejection fraction, mildly reduced ejection fraction and preserved ejection fraction

Criteria	HFrEF	HFmrEF	HFpEF
1	Symptoms ± Signs <sup>a</sup>	Symptoms ± Signs <sup>a</sup>	Symptoms ± Signs <sup>a</sup>
2	LVEF <40%	LVEF 41–49%	LVEF ≥50%
3	—	—	Objective evidence of cardiac structural and/or functional abnormalities consistent with the presence of LV diastolic dysfunction/raised LV filling pressures, including raised natriuretic peptides <sup>b</sup>

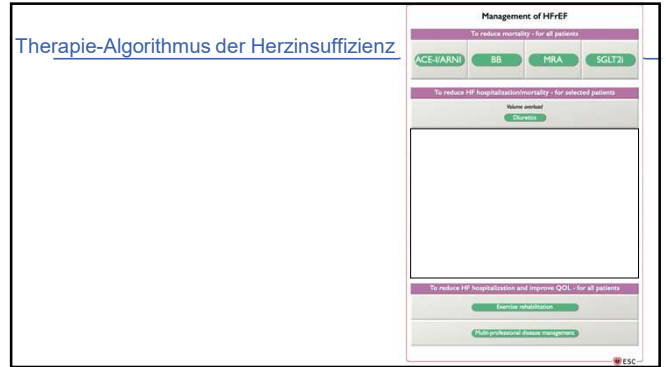
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### Symptome der Herzinsuffizienz

Table 6 Symptoms and signs typical of heart failure	
Symptoms	Signs
<b>Typical</b>	<b>Heart specific</b>
Bradycardia	Elevated jugular venous pressure
Orthopnea	Hyperjugular reflux
Paroxysmal nocturnal dyspnoea	Third heart sound (gallop rhythm)
Reduced exercise tolerance	Laterally displaced apical impulse
Fatigue, weakness, increased time to recover after exercise	
Ankle swelling	
<b>Less typical</b>	<b>Less specific</b>
Nocturnal cough	Weight gain (>2 kg/week)
Wheezing	Weight loss (in advanced HF)
Bleated feeling	Tissue swelling (oedema)
Loss of appetite	Cardiac murmur
Confusion (especially in the elderly)	Peripheral oedema (ankle, sacral oedema)
Depression	Pulmonary crackles
Palpitation	Pulmonary effusion
Dizziness	Tachypnoea
Swelling	Tachycardia
Orthopnea*	Irregular pulse
	Tachypnoea
	Cheyne-Stokes respiration
	Hepatomegaly
	Ascites
	Cold extremities
	Oliguria
	Narrow pulse pressure

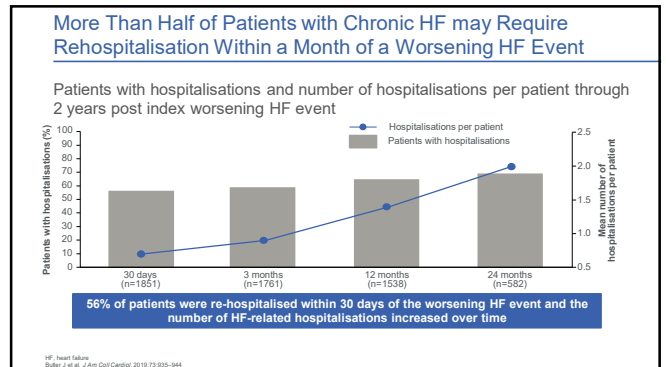
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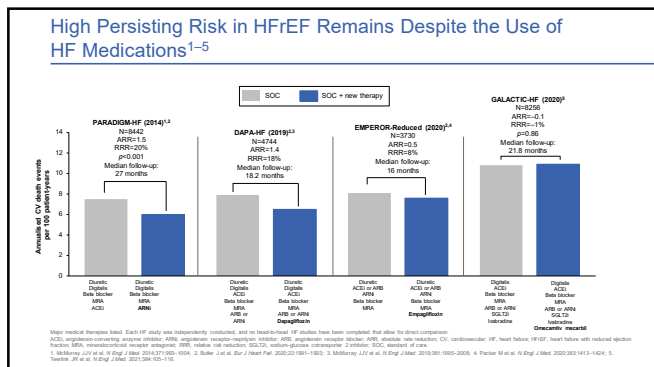
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### Vericiguat (Verquvo®): Background and VICTORIA Study Data

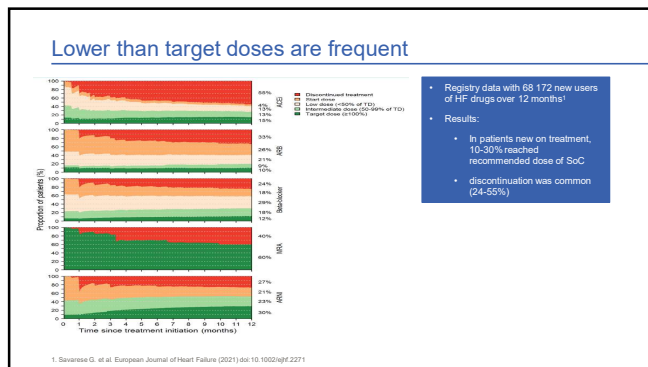
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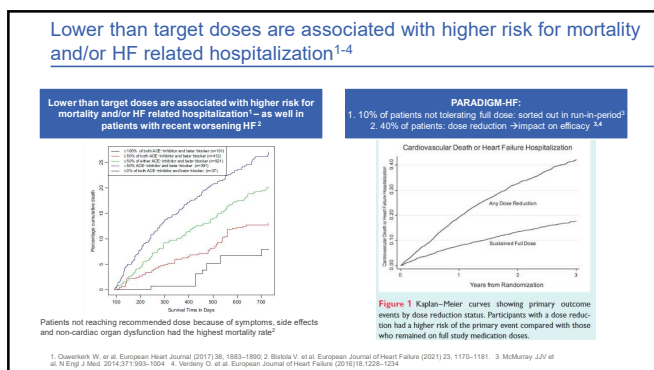
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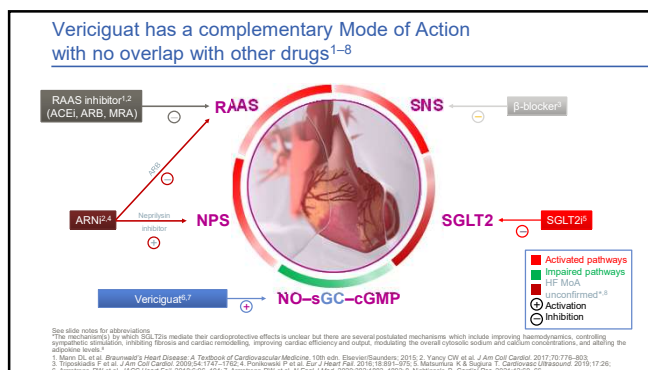
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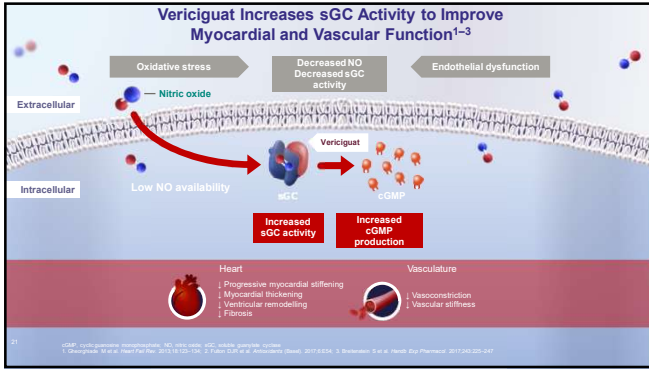
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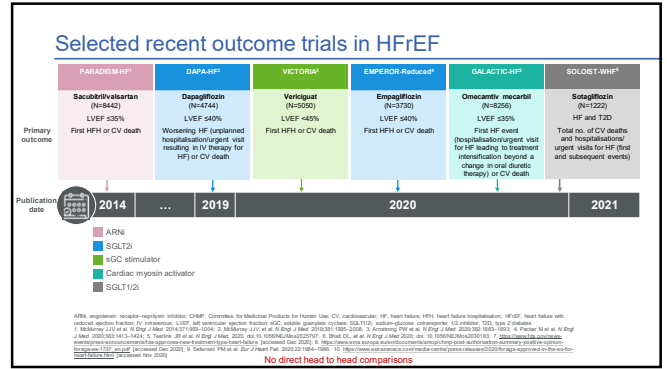
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**Differences between PARADIGM-HF, DAPA-HF, EMPEROR-Reduced, GALACTIC-HF and VICTORIA (1)**

**Inclusion/exclusion criteria**

	PARADIGM HF (N=8359) <sup>1</sup> sacubitril/valsartan	DAPA-HF (N=4744) <sup>2</sup> dapagliflozin	EMPEROR-Reduced (N=3739) <sup>3</sup> empagliflozin	GALACTIC HF (N=8256) <sup>4</sup> omecamtiv mecarbil	VICTORIA (N=5052) <sup>5</sup> Vericigat
NT-proBNP cut-off	≥500 pg/ml or ≥400 pg/ml if HFH <12 months	≥600 pg/ml or ≥400 pg/ml if HFH <12 months	≥500 to ≤2500 or ≥200 to ≤2000 if AF, according to EF	≥400 pg/ml or ≥1200 pg/ml if AF or flutter	≥1000 pg/ml (SR) or ≥1600 pg/ml if AF
eGFR cut-off	≥30 ml/min/1.73 m <sup>2</sup>	≥30 ml/min/1.73 m <sup>2</sup>	≥20 ml/min/1.73 m <sup>2</sup>	≥20 ml/min/1.73 m <sup>2</sup>	≥15 ml/min/1.73 m <sup>2</sup>
LVEF cut-off	≤35%	≤40%	≤40%	≤35%	≤45%
Recent HF decompensation	Not required	Not required	Not required	Inpatients or had either made an urgent ED visit or been hospitalized for HF within 1 year before screening (outpatients)	HFH within 6 months or IV diuretic use for HF within 3 months

Each HF study was independently conducted, and no head-to-head HF studies have been completed that allow for direct comparison of the efficacy and/or safety of one drug versus another.

1. Chatterjee K, et al. Heart Fail Rev. 2013;18(2):201-210. 2. D'Alagni A, et al. JACC. 2017;69(16):1874-1884. 3. Bristow MR, et al. N Engl J Med. 2017;376(22):2057-2067. 4. Chatterjee K, et al. Heart Fail Rev. 2013;18(2):201-210. 5. Chatterjee K, et al. Heart Fail Rev. 2013;18(2):201-210. 6. Chatterjee K, et al. Heart Fail Rev. 2013;18(2):201-210.

**No direct head to head comparisons**

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**Differences between PARADIGM-HF, DAPA-HF, EMPEROR-Reduced, GALACTIC-HF and VICTORIA (2)**

**Baseline characteristics\***

	PARADIGM HF (N=8359) <sup>1</sup> sacubitril/valsartan	DAPA-HF (N=4744) <sup>2</sup> dapagliflozin	EMPEROR-Reduced (N=3739) <sup>3</sup> empagliflozin	GALACTIC HF (N=8256) <sup>4</sup> omecamtiv mecarbil	VICTORIA (N=5052) <sup>5</sup> vericigat
Median NT-proBNP, pg/ml	1608	1437	1907	2001	2816
NYHA class III or IV	25%	32%	25%	47%	41%
HFH <6 months ago	31%	16%	NR <sup>6</sup>	NR	84%
eGFR, ml/min/1.73 m <sup>2</sup>	68 (mean)	66 (mean)	62 (mean)	59 (median)	62 (mean)
eGFR <60 ml/min/1.73 m <sup>2</sup>	37%	41%	48%	52%	53%
Median follow up (months)	27	18.2	16	21.8	10.8
Primary endpoint event rate (control arm)	13.2 events/100 PY	15.6 events/100 PY	21.0 events/100 PY	26.3 events/100 PY	37.4 events/100 PY

\*Mean or median values from the individual study arms were reported. Each HF study was independently conducted, and no head-to-head HF studies have been completed that allow for direct comparison of the efficacy and/or safety of one drug versus another.

1. Chatterjee K, et al. Heart Fail Rev. 2013;18(2):201-210. 2. D'Alagni A, et al. JACC. 2017;69(16):1874-1884. 3. Bristow MR, et al. N Engl J Med. 2017;376(22):2057-2067. 4. Chatterjee K, et al. Heart Fail Rev. 2013;18(2):201-210. 5. Chatterjee K, et al. Heart Fail Rev. 2013;18(2):201-210. 6. Chatterjee K, et al. Heart Fail Rev. 2013;18(2):201-210.

**No direct head to head comparisons**

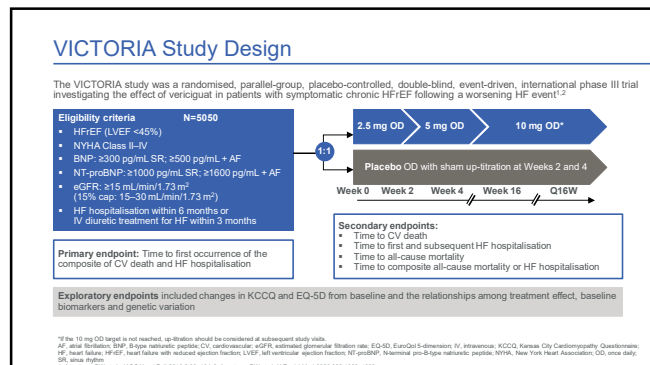
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### VICTORIA in context: Annualised event rate (events per 100 patient-years at risk)

	PARADIGM-HF <sup>1,2</sup>		DAPA-HF <sup>3</sup>		EMPEROR Reduced <sup>4</sup>		GALACTIC-HF <sup>5</sup>		VICTORIA <sup>1</sup>	
	Comparator	Bacubitril/valsartan	Comparator	Dapagliflozin	Comparator	Empagliflozin	Comparator	Omecamtiv mecarbil	Comparator	Vericiguat
Median follow-up	27 months		18 months		16 months		22 months		11 months	
Hazard ratios (95% CI) for key outcomes										
Primary endpoint	0.80 (0.73-0.87)		0.74 (0.65-0.85)		0.75 (0.65-0.86)		0.92 (0.86-0.99)		0.90 (0.82-0.98)	
CV death	0.80 (0.71-0.89)		0.82 (0.69-0.98)		0.92 (0.75-1.12)		1.01 (0.92-1.11)		0.93 (0.81-1.06)	
First HFH	0.79 (0.71-0.89)		0.70 (0.59-0.83)		0.69 (0.59-0.81)		0.95 (0.87-1.03)		0.90 (0.81-1.00)	
Annualised event rate (events per 100 patient-years at risk)										
Primary endpoint	13.2	10.5	15.6	11.6	21.0	15.8	26.3	24.2	37.8	33.6
Absolute rate reduction	<b>2.7</b>		<b>4.0</b>		<b>5.2</b>		<b>2.1</b>		<b>4.2</b>	
CV death	7.5	6.0	7.9	6.5	8.1	7.6	10.8	10.9	13.9	12.9
Absolute rate reduction	<b>1.5</b>		<b>1.4</b>		<b>0.6</b>		<b>-0.1</b>		<b>1.0</b>	
First HFH	7.7	6.2	9.8	6.9	15.5	10.7	19.1	18.0	29.1	25.9
Absolute rate reduction	<b>1.6</b>		<b>2.9</b>		<b>4.8</b>		<b>1.1</b>		<b>3.2</b>	

CI, confidence interval; CV, cardiovascular; HF, heart failure; HFH, heart failure hospitalisation.  
 1. Butler J et al. Eur J Heart Fail. 2020; doi: 10.1093/ehj/ehz202. 2. McMurray JJ et al. Eur Heart J. 2016;38:434-439. 3. Teareck JR et al. N Engl J Med. 2020; doi:10.1056/NEJMoa2025707  
 No direct head to head comparisons

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### VICTORIA Was Designed to Study Patients with Symptomatic Chronic HF Following a Worsening HF Event<sup>1,2</sup>

**'Symptomatic chronic HF' & 'Worsening HF event'**

- NYHA class II-IV
- LVEF <45%
- On available HF therapies
- Recent HF hospitalisation
- Recent IV diuretic use
- Elevated natriuretic peptides

**Patients may have been randomised as an inpatient or outpatient but must have met criteria for clinical stability (e.g. SBP >100 mmHg, off IV treatments >24 hours). There was no run-in period**

HF, heart failure; IV, intravenous; LVEF, left ventricular ejection fraction; NYHA, New York Heart Association; SBP, systolic blood pressure.  
 1. Armstrong PW et al. JACC Heart Fail. 2018;10:104-112. 2. Armstrong PW et al. N Engl J Med. 2020;382:1583-1593

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### VICTORIA Baseline Characteristics

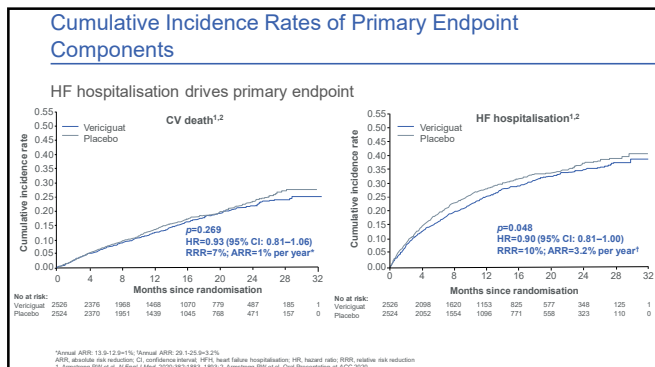
Characteristic	Vericiguat (N=2526)	Placebo (N=2524)
Mean age, years ±SD	67.5±12.2	67.2±12.2
Male sex, n (%)	1921 (76.0)	1921 (76.1)
Race, n (%) <sup>†</sup>		
White	1621 (64.2)	1618 (64.1)
Black	123 (4.9)	126 (5.0)
Asian	571 (22.6)	561 (22.2)
Other	211 (8.4)	219 (8.7)
Mean ejection fraction at screening, % ±SD	29.0±8.3	28.8±8.3
Ejection fraction <40%, n (%)	2158 (85.8)	2158 (85.6)
NYHA class III/IV, n/total N (%) <sup>‡</sup>	1045 (41.4)	1024 (40.6)
Other conditions, n/total N (%) <sup>‡</sup>		
Atrial fibrillation	1098 (43.5%)	1170 (46.4%)
Diabetes mellitus	1226 (48.6%)	1143 (45.3%)
CAD	1511 (59.8%)	1433 (56.8%)

†Based on reported by patient. ‡From a total of 2523 patients in each group. †From a total of 2525 patients in the vericiguat group and 2523 patients in the placebo group.  
 Armstrong PW et al. N Engl J Med. 2020;382:1583-1593

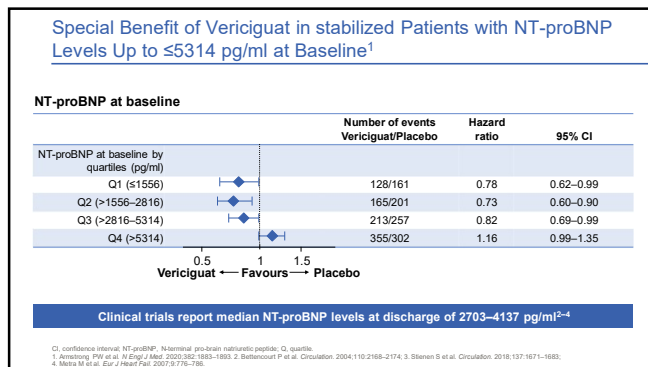
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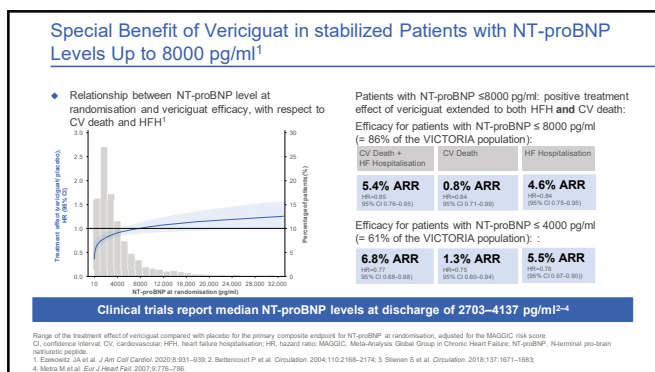




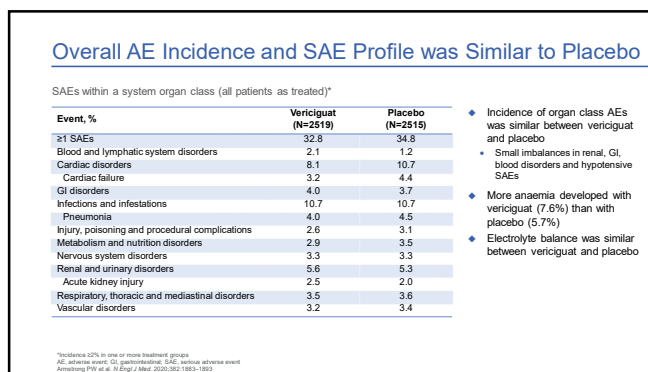
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### Adverse Events of Clinical Interest

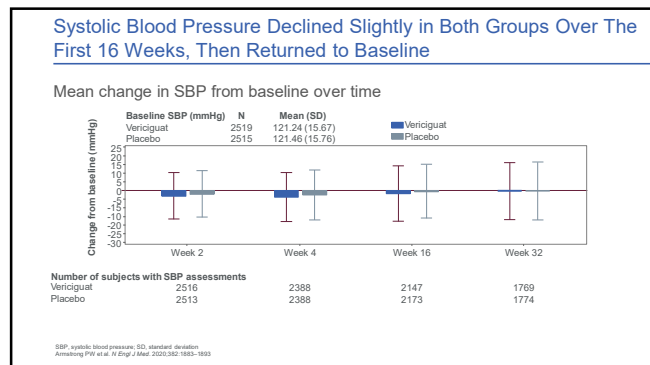
Symptomatic hypotension and syncope

	Vericiguat	Placebo	Difference in % vs placebo	
	N (%)	N (%)	Estimate (95% CI)*	p-value
Symptomatic hypotension	229 (9.1)	198 (7.9)	1.2 (-0.3 to 2.8)	0.121
Syncopal	101 (4.0)	87 (3.5)	0.6 (-0.5 to 1.6)	0.303

\* Symptomatic hypotension and syncope were numerically more common in the patients receiving vericiguat than in those receiving placebo

\*Based on the Miettinen & Nurminen method  
CI, confidence interval  
Armstrong PW et al. N Engl J Med. 2020;382:1893-1903

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### Vericiguat is a simple therapy<sup>1</sup>

- Adherence:** 93.8% of patients on the vericiguat arm achieved adherence of >80% to the trial drug<sup>2</sup>
- 1x/d** Once daily medication
- Titration:** 90.3% of patients were receiving the 10 mg target dose<sup>2</sup>
- No Monitoring** needed
- No clinically relevant interactions** with with HF drugs or those used to treat comorbidities<sup>3,4</sup>
- Renal impairment:** No dose adjustment required in patients with eGFR ≥15 mL/min/1.73 m<sup>2</sup> (without dialysis)

1. Selzer SO et al. Eur J Heart Fail. 2021;23(12):2033-2041. 2. Armstrong PW et al. N Engl J Med. 2020;382:1893-1903. 3. Lubomir M, et al. Poster P1006. Presented at the European Society of Cardiology Heart Failure Congress, 25-28 May 2019. 4. Boudier M, et al. Poster P1028. Presented at the European Society of Cardiology Heart Failure Congress, 25-28 May 2019.

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### ESC Recommendation 2021 for Pre-discharge and Early Post-discharge FU of Patients Hospitalized for Acute HF<sup>1,2</sup>

Recommendations	Class	Level
It is recommended that patients hospitalized for HF be carefully evaluated to exclude persistent signs of congestion before discharge and to optimize oral treatment	I	C
It is recommended that evidence based oral medical treatment be administered before discharge	I	C
An early follow-up visit is recommended at 1–2 weeks after discharge to assess signs of congestion, drugs' tolerance and start and/or up/titrate evidence-based therapy	I	C
Ferric carboxymaltose should be considered for iron deficiency, defined as serum ferritin <100 ng/ml or serum ferritin 100–299 ng/ml with TSAT <20%, to improve symptoms and reduce hospitalizations	IIa	B

HF, heart failure; TSAT, transferrin saturation.  
1. Metra M, ESC-HF. 2021; Doi: 10.1093/eurheartj/ehab368

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### Key updates in the management of chronic heart failure were presented at the congress of the European Society of Cardiology in August 2021.

#### ESC HF Guidelines 2021

Recommendation	Class
<b>HF/EF</b>	
<b>ACEi (ARNi), Beta-blocker, MRA and Dapagliflozin/Empagliflozin</b> are recommended for patients with HF/EF to reduce the risk of HF hospitalization and death	I
<b>Vericiguat</b> may be considered in patients in NYHA class II-IV who have had worsening HF despite treatment with an ACEi (or ARNi), a beta-blocker and an MRA to reduce the risk of CV mortality or HF hospitalization	IIb

- Vericiguat Inclusion in the guidelines before EU approval
- Worsening HF referred to for the first time and vericiguat specifically recommended for this patient group
- use of all foundational therapies not required prior to vericiguat initiation

#### New concepts

A new **simplified treatment algorithm** for HF/EF, now including ARNi as first-line with ACEi and excluding ARBs from first-line therapies

The addition of a treatment algorithm for HF/EF according to **phenotypes** (e.g. effects on BP, renal function and K+ levels; drug-drug interactions, adverse events, comorbidities...)

Vericiguat may be suitable for a wide range of patients due to its favorable safety profile:

Patients at risk of hypotension

Patients with renal impairment

Patients at risk of hyperkalemia

1. McDonald M et al. Can J Cardiol 2021;37:531-546; 2. Rossano GMC, et al. EHJ HF 2021;23:872-81

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### When and why to use Vericiguat?

When?	Why?
<ul style="list-style-type: none"> <li>And progressing symptoms (beside already receiving SoC)</li> </ul>	<ol style="list-style-type: none"> <li><b>Evidence:</b> Significant reduction of the risk of HF hospitalization or CV death; <b>ARR = 5.4 % (NNT= 19); RRR= 15%</b> and significant Reduction of components of the 1<sup>st</sup> EP<sup>1</sup></li> <li>poor prognosis and remaining risk despite SoC</li> </ol>
<ul style="list-style-type: none"> <li>And Tolerability and up-titration issues with SoC</li> </ul>	<ol style="list-style-type: none"> <li>More promising concept of low dose combination of different MoA before up-titration. Vericiguat has a <b>complementary MoA</b> with no overlap with other drugs</li> <li><b>Excellent safety profile:</b> AE over all on Placebo level; the 4 most frequent side effects with SoC not a problem with vericiguat (HR, potassium, BP, creatinine)</li> <li><b>Good adherence /OD dosing with 90.3% of patients on target dose → Efficacy I</b> (full up-titration = full efficacy)</li> <li><b>No interaction</b> with most of the common drugs for HF and comorbidities; Evidence in <b>Patients with low eGFR, BP</b></li> </ol>

HF/EF Patients after Decompensation with NT-proBNP > 8000 pg/ml... = Reasons for early combination with Vericiguat

1. Easkovitz JA et al. J Am Coll Cardiol. 2020;8:931-939

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### DELIVER Dapagliflozin Evaluation to Improve the LIVES of Patients With PReserved Ejection Fraction Heart Failure<sup>1,2,3</sup>

**6263 Patients**

- < 80 years of age with or without T2D
- LVEF > 40% and evidence of structural heart disease<sup>4</sup> within 12 months
- Symptomatic NYHA Class II-IV HF at enrollment and typical signs/symptoms of HF 48 weeks before enrollment with at least intermittent need for diuretic treatment
- Elevated NT-proBNP levels
- eGFR<sup>5</sup> > 25 mL/min/1.73 m<sup>2</sup>
- Ambulatory or hospitalized off-IV HF therapy<sup>6</sup> for ≥ 24 hours

**Primary Endpoint**

- Time to first occurrence of any component of the composite of CV death or worsening HF events (hHF or urgent HF visit)
- Full patient population
- Patients with LVEF < 60%

**Secondary Endpoints**

- Total number of HF events (first and recurrent) and CV deaths in the full patient population and in patients with LVEF < 60%
- Change from baseline in KCCQ-TSS at 8 months
- Time to occurrence of CV death
- Time to occurrence of death from any cause

<sup>1</sup>Patients with an LVEF < 40% were also included; <sup>2</sup>LV hypertrophy or LA enlargement; <sup>3</sup>Based on Chronic Kidney Disease-Epidemiology Collaboration Equation; <sup>4</sup>Including diuretics; <sup>5</sup>Stratified by T2D status (diabetic/diagonal/NAFLD < 35.5% at enrollment); <sup>6</sup>Full patient population; <sup>7</sup>Full patient population; <sup>8</sup>Full patient population; <sup>9</sup>Full patient population; <sup>10</sup>Full patient population

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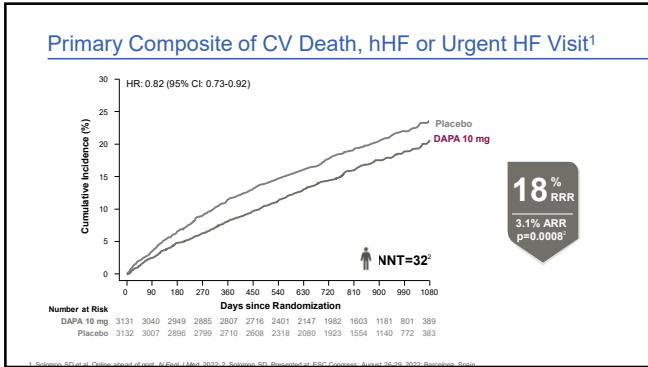
### Heart Failure History

Characteristic	Dapagliflozin 10 mg (n=3131)	Placebo (n=3132)	HF Therapy, n (%)	Dapagliflozin 10 mg (n=3131)	Placebo (n=3132)
LVEF, %	54.0 ± 8.6	54.3 ± 8.9	Loop diuretic	2403 (76.7)	2408 (76.9)
LVEF group, n (%)			ACEi	1144 (36.5)	1151 (36.7)
54%	1067 (34.1)	1049 (33.5)	ARB	1133 (36.2)	1139 (36.4)
60-69%	1133 (36.2)	1123 (35.9)	Sacubitril-valsartan	165 (5.3)	136 (4.3)
≥ 70%	931 (29.7)	960 (30.7)	Beta-blocker	2592 (82.8)	2585 (82.5)
NYHA functional class, n (%)			MRA	1340 (42.8)	1327 (42.4)
II	2314 (73.9)	2399 (76.6)			
III	807 (25.8)	724 (23.1)			
IV	10 (0.3)	8 (0.3)			
Median NT-proBNP (QRI), pg/mL					
Patients not in AF/AFL	729 (472, 1299)	704 (467, 1265)			
Patients in AF/AFL	1406 (956, 2256)	1387 (965.5, 2180.5)			
KCCQ-TSS <sup>8</sup>	70 ± 23	70 ± 22			

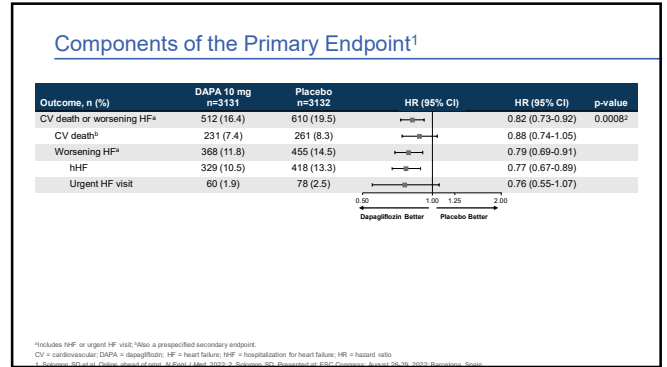
n value is mean ± SD. Percentages might not total 100 because of rounding

<sup>1</sup>Available for 2003 patients in the dapagliflozin group and 2003 patients in the placebo group; <sup>2</sup>Available for 2003 patients in the dapagliflozin group and 2003 patients in the placebo group; <sup>3</sup>Available for 2003 patients in the dapagliflozin group and 2003 patients in the placebo group; <sup>4</sup>Available for 2003 patients in the dapagliflozin group and 2003 patients in the placebo group; <sup>5</sup>Available for 2003 patients in the dapagliflozin group and 2003 patients in the placebo group; <sup>6</sup>Available for 2003 patients in the dapagliflozin group and 2003 patients in the placebo group; <sup>7</sup>Available for 2003 patients in the dapagliflozin group and 2003 patients in the placebo group; <sup>8</sup>Available for 2003 patients in the dapagliflozin group and 2003 patients in the placebo group

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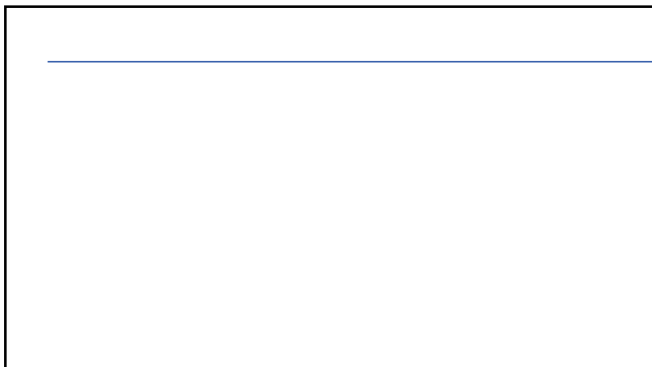
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### GALACTIC-Studie

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- ### Zusammenfassung
- ◆ Zahl der Herzinsuffizienz-Patienten wird steigen
  - ◆ Die Echokardiographie besitzt zentrale Bedeutung in der Diagnose
  - ◆ Therapie erfolgt über multiple Pathways
  - ◆ Verciguat stellt einen neuen Wirkmechanismus dar
    - Gute Verträglichkeit mit Einmal-Gabe
    - Keinen Einfluss auf den Blutdruck
    - Einsetzbar bei geringer Nierenfunktion
    - Verbesserung der Prognose der Patienten

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