♡ 심부전 퇴원 전 체크리스트 (Ver3.1 230912) Endorsed by Korean Society of Heart Failure

상세본

Vers.1_230912) Endorsed by Rolean Society of Healt Fallule															
								환자이름	한자이름/번호: /						
	측정일자	tion of HF				환자나0	자나이/성별: /								
Most recent ☐ HFrEF				☐ HFmrEF ☐ HFpEF ☐ HFiEF ☐ RVF				진료과/	<u> </u>						
The first NYHA cl				:lass (퇴원시점) 체중 / 혈압 / 맥박 (퇴원시점)				퇴원 일기	원 일자 : /						
The lowest			□II □ III □ IV kg mmHg bpm						외래 F/U 0	ll정 일자:					
♡ 아래 사항을 확인하고 체크하십시오															
Type: \Box [Type: De novo ADHF														
		No → If "yes", ple	4:-1-41-	fall and a share at		Etiology of b	oart fo	ailura			(FIRM 51.T.)				
Hyperter DM Syslipide Anemia (Arial fibi CKD COPD, as Others, p		Etiology of heart failure choose the most important ONE you think. (뒷면 참조) Ischemic heart disease Non-ischemic heart disease Valvular heart disease Cardiomyopathy Arrhythmia-induced cardiomyopathy Hypertensive heart failure Others, please specify:													
◎ 금번 심부전 악화 유발 요인 (해당 사항에 모두 체크하십시오)															
□ Acute coronary syndrome □ Medication (ex. NSAIDs, chemo agents, steroids, saxagliptin, alogliptin, thiazolidinedione, etc.) □ Arrhythmia (tachy- or brady-arrhythmia) □ Uncontrolled BP □ Infection □ Disease progression □ Poor compliance on diet (esp, salt) or drug therapy □ Others, please specify : (뒷면 참조) □ Others, please specify : (뒷면 참조)															
♡ 다음 약제들을 투약했나요? 안했으면 이유를 골라 체크하십시오															
ARNI				ACEI or ARB					Beta-Blocker						
☐ Yes	table Diseas sinds			☐ Yes	Diagram dina	d			☐ Yes	-bl- Dli	l b-	-1			
☐ No (Not suitable. Please circle reasons below) 1. eGFR <20 ml/min/1.73m² or >100% of baseline SCr				☐ No (Not suitable. Please circle reasons below) 1. eGFR <20ml/min/1.73m² or >100% of baseline SCr					☐ No (Not suita 1. Low BP (SBP <		le reasons be	(wols			
2. Hyperkalemia (K ⁺ >5.5 mmol/L) 3. Low BP (SBP <90 mmHg)				2. Hyperkalemia (K*>5.5 mmol/L) 3. Low BP (SBP <90 mmHg)					2. Bradycardia (HR <50 bpm) 3. Asthma						
4. ACEI use within the prior 36 hours				4. Use of ARNI					4. Still in fluid overloaded						
	No (Physician decision, Please circle reasons below) 1, 20 ≤ eGFR <30 or increased(≤100%) SCr				 No (Physician decision, Please circle reasons below) 1. 20 ≤ eGFR < 30 or increased (≤ 100%) SCr 					☐ No (Physician decision. Please circle reasons below) 1.90 ≤ SBP <100					
2.5 ≤ K ⁺ ≤5.5		3CI		2. 5 ≤ K ⁺ ≤5.5	easeu(=100)	/6) 3Cl			1.90 ≤ SBP < 100 2.50 ≤ HR < 60						
3. 90 ≤ SBP <100 4. LVEF >40% (insurance issue)				3. 90 ≤ SBP <100 4. LVEF >40% (lowest)					3. Peripheral vascular disease 4. LVEF >40% (lowest)						
No (other reason(s)):				□ No (other reason(s)):					□ No (other reason(s)) :						
MRA (Aldostero				SGLT2 inhibitors (Dapag	gliflozin or Empa	agliflozin)			Anticoagulation						
☐ Yes				☐ Yes					☐ Yes (Please circle indication(s) below)						
☐ No (Not suitable. Please circle reasons below) 1.eGFR <20ml/min/1.73m² or >100% of baseline SCr				☐ No (Not suitable. Please circle reasons below) 1. eGFR <20 ml/min/1.73m²					1. AF/AFL 2. Mechanical valve						
2. Hyperkalemia (K+>5.5 mmol/L)				2. Low BP (SBP <90 mmHg)					3. Thrombus 4. Other(s):						
 No (Physician decision. Please circle reasons below) 1. 20 ≤ eGFR ⟨30 or increased(≤100%) SCr 				☐ No (Physician decision. Please circle reasons below) 1. No DM (insurance issue)					☐ No (Please c						
2.5 ≤ K+ ≤5.5				2. S/E (UTI or genital infection)					1. Not indicated 2. CHA,DS,-VASc=1 +- only CHF(+)						
3. LVEF >40% (lowest) 4. S/E (Gynecomastia)				☐ No (other reason((s)):				3. Ischemic stroke <12 days						
□ No (other reason(s)) :									4. Hemorrhagic stroke <4 weeks 5. Other acute bleeding event						
										sion d/t:					
Ivabradine				Ferric carboxymaltose	e/IV				PRN Diuretics (Lo						
☐ Yes (SR HR ≥75 bpm & none of below) ☐ No (Not suitable. Please circle reasons below)				☐ Yes LVEF <50%					☐ Yes ☐ No (May use when † dyspnea or edema or a sudden unexpected						
1. HR <75 bpm				Serum ferritin <100 ng/ml or 100–299 ng/ml with TSAT(Fe/TIBC) <20				0%	weight gain of >2 k		r a sadden aner	(pecteu			
Not in sinus rhythm Not on Max. tolerated dose of BB or not Clx to BB				No (Physician decision. Please circle reasons below) 1.LVEF ≥50%											
	RB, BB, MRA for <4 we	eks	2. Serum ferritin >300 or 100–299 ng/ml but TSAT ≥20% or Hb >15				5								
5. LVEF >40% (lowest) (*35%< EF ≤40%: Insurance 50%, EF ≤35%: 100% cover)				3. Cost issue 4. Known hypersensitivity or severe allergies											
☐ No (other re	eason(s)) :		No (other reason(s)):												
		⊗ [다음 Dev	ice 치료를 권고/시	행했나요	요? 안했으면 이유	유를 골	골라 체:	크하십시오						
ICD has been of	CRT has been offered to patient with LVEF ≤35% (most recent)														
☐ Yes		☐ Yes (AF/SR with LBBB: QRS ≥130 ms, SR with non-LBBB: QRS ≥150 ms)													
☐ No (Please circle reasons below) 1. Patient not keen						No (Please circle reasons below) 1. Patient not keen									
2. Other reason(s	2. Other reason(s):														
☐ Not applicable (Please circle reasons below) 1. LVEF > 35%						☐ Not applicable (Please circle reasons below) 1. LVEF > 35%									
2. Recent MI <40		2. Optimal medical T													
3. Optimal medic 4. Planning PCI o	3. QRSd <130ms (SR with LBBB or AF) 4. QRSd <150ms (SR with non-LBBB) [*SR= sinus rhythm]														
5. Expected survival <1 year															
♡ 환자 교육, 재활 및 추적 계획										아니요	사	유			
	활 치료를 안내하였습니														
퇴원 환자의 추적	덕 관리 계획 (다음 항독	H에 대해 F/U 일정 잡은	은 경우 체크)						□ 전해질/혈액	학적 수치 추적 검	나 🗆 EK	G	☐ X-ray		
검토자 MD :				검토 일자 :					검토 시간 :						

⊗ Etiology of heart failure (In detail)							
☐ Ischemic heart disease							
Patients with Hx of MI or revascularization (CABG or PCI)							
Patients with ≥75% stenosis of LM or pLAD Patients with ≥75% stenosis of 2 or more epicardial vessels							
*Definition of ischemic CMP ref) A Standardized Definition of Ischemic Cardiomyopathy for Use in Clinical Research. J Am Coll Cardiol 2002;39:210–8.							
☐ Valvular heart disease: ≥moderate or ≥grade III; not "Functional"							
☐ Idiopathic DCM							
☐ HCM: Apical, non-apical							
☐ RCM: Non-infiltrative, infiltrative (e.g., amyloidosis, sarcoidosis)							
☐ Peripartum CMP							
☐ Stress-induced CMP							
☐ Alcoholic CMP							
☐ Chemotherapy-induced CMP							
☐ Arrhythmia-induced CMP:							
Presence of a sustained tachycardia(>100 bpm) (or frequent episodes of tachycardia or very frequent ectopy) which results in LV systolic dysfunction. Usually the Dx can only be made following a successful trial of Tx to slow the HR or to restore sinus rhythm along with the exclusion of other potential causes of CMP							
Hypertensive HF: Attributed to long-standing uncontrolled HTN, usually accompanied with LVH in the absence of other causes of HF							
☐ Thyroid Dz-mediated: Uncontrolled hyperthyroidism, severe hypothyroidism							
☐ Congenital							
☐ Acute myocarditis							
☐ Other							
♡ 금번 심부전 악화 유발 요인 (해당 사항에 모두 체크하십시오)							
☐ Pulmonary embolism							
☐ Anemia or bleeding							
☐ Excessive alcohol or illicit drug use							
☐ Endocrine abnormalities (ex. diabetes, thyroid disease)							
☐ Increased sympathetic drives (ex. stress-induced cardiomyopathy)							
Recent addition of negative inotropic drugs (e.g., verapamil, nifedipine, diltiazem, beta-blockers)							
Surgery and perioperative problems							
☐ Indeterminate							
□ Not in decompensated condition							
Uthers (Please specify):							
♡ 환자 교육 및 심장재활							
□ 생활 관리(저염식) 및 수분 섭취 제한에 대하여 안내하였습니까?							
□ 매일 체중/혈압/맥박 측정에 대하여 안내하였습니까?							
□ 심부전 증상 악화 시 대처법에 대하여 안내하였습니까?							
□ 적정한 강도의 신체 활동/운동량에 대하여 상담하였습니까?							
□ 현재 또는 최근(지난 1년간 금연한) 흡연자에 대하여 금연을 권고하였습니까?							
□ 과다한 알코올 섭취의 위험성에 대해 교육하였습니까?							
□ 치료법과 복용 약물에 대해 충분히 안내하였습니까? (발생 가능한 이상반응, 복용 이유, 순응도의 필요성)							
□ 심부전 환자를 위한 교육 자료를 배부하였습니까?							
MEMO							
MEMO							

ACE, angiotensin converting enzyme inhibitor: ACS, acute coronary syndrome: ADHF, acute decompensated heart failure: AF, atrial fibrillation: AFL, atrial flutter: ARB, angiotensin receptor blocker: ARNI, angiotensin receptor neprilysin inhibitor: AVR, aortic valve replacement: BB, beta blocker: BP, blood pressure: BPM, beats per minute: CABG, coronary artery bypass graft: CHF, congestive heart failure: CND, chronic kidney disease: CMP, cardiomyopathy: ODD, chronic obstructive pulmonary disease: CRT, cardiac resynchronization therapy: ODA, diseases mellitus: DX, diagnosis: DZ, diseases: EF, ejection fraction: eFRF, eight failure with improved ejection fraction: HFFF, heart failure with improved ejection fraction: HFFF, heart failure with improved ejection fraction: HFFF, heart failure with preserved ejection fraction: HFFF, heart failure with reversed ejection fraction: MRA, mineralocorticoid receptor antagonist: NSAID, non-steroidal anti-inflammatory drug: NYHA, New York Heart Association: OMT, optimal medical therapy: OPD, outpatient department: PC, percutaneous coronary intervention: pLAD, proximal left anterior descending artery: PRN, as needed: RA, right atrium: RCM, restrictive cardiomyopathy: RVF, right ventricular failure: SBP, systolic blood pressure: Scr., serum creatinine: S/E, side effect: SGLT, sodium-glucose co-transporter: SR, sinus rhythm: TIBC, total iron-binding capacity: TSAI, transferrin saturation: Tx, treatment: UT, urinary tract infection.