

# Congestief hartfalen

## CONGESTIEF HARTFALEN

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### 1. Oorzaken

- verminderde contractiliteit van het myocard
  - cardiale oorzaken: ischaemie (AMI), cardiomyopathie, myocarditis
  - niet cardiale oorzaken: medicatie, metabole stoornissen
- overload:
  - hypertensie
  - klepafwijkingen
  - congenitale hartafwijkingen
  - overvulling
- thyrotoxicose
- ernstige anaemie

### 2. Diagnostiek

- kliniek

- acuut hartfalen

- cardiogene shock:

- pulmonaal: tachypnee, cyanose, longoedeem, cheyne- stokes ademhaling, sputum

- cardiaal: gecombineerd met myocardischaemie of AMI, tachycardie, milde hypotensie, pulsus alternans

- bewustzijn: angst, verwardheid, vermoeidheid

### - chronisch hartfalen

- linker hartfalen:

- ademhaling: dyspnee, orthopnee, paroxysmale nocturale dyspnee, verminderde inspanningstolerantie

- auscultatie: reutels, wheezing, longbasis verminderde ventilatie hoorbaar, S3 gallop, soms S4

- rechter hartfalen:

- dyspnee d'effort

- beeld van overload (opzetting halsvenen, ascites, oedeem)

- hepatomegalie

- bewustzijn: vermoeidheid, zwakte

#### - labo

- elektrolieten
- ureum/creatinine
- hartenzymen

#### - Rx Thorax

- cardiomegalie
- pulmonaire redistributie: interstitieel oedeem, typisch butterflyinfiltraat (=Frank alveolair infiltraat. Soms assymetrisch en dan vaak als pneumonie gezien), verder ook effusies

#### - Electrocardiogram

- cardiomegalie

#### - echocardio

- acuut kleplijden
  - pericardtamponade
  - contractiliteit myocard
- vullingstoestand

### 3. DD

#### - Linker hartfalen

##### - pulmonaal:

- acute COPD opstoot
- acute asthma-opstoot
- ARDS
- pneumonie
- bronchitis

## - cardiaal:

- constrictieve pericarditis

- pericardtamponade

## - rechter hartfalen

- nefrotisch syndroom

- cirrose

## Eerste opvang

- IV lijn

- O2

- Monitoring

- nitraten sublinguaal

- Lasix

- patient best rechtop

- soms nood aan intubatie

## Spoeddienst

- Is er hypotensie?

- neen: is er urgente hulp nodig?

- Ja: diuretica, nitraten, morfine

- neen: poliklinisch: ACE-inhibitoren, diuretica

- Ja: geef GEEN nitraten, morfine of diuretica!

- geef Dopamine of Dobutamine

## REFERENTIES:

- Felker GM, Lee KL, Bull DA, et al. Diuretic strategies in patients with acute decompensated heart failure. N Engl J Med 2011; 364:797.

- Salvador DR, Rey NR, Ramos GC, Punzalan FE. Continuous infusion versus bolus injection of loop diuretics in congestive heart failure. *Cochrane Database Syst Rev* 2005; :CD003178.
- Dikshit K, Vyden JK, Forrester JS, et al. Renal and extrarenal hemodynamic effects of furosemide in congestive heart failure after acute myocardial infarction. *N Engl J Med* 1973; 288:1087.
- McMurray JJ, Adamopoulos S, Anker SD, et al. ESC Guidelines for the diagnosis and treatment of acute and chronic heart failure 2012: The Task Force for the Diagnosis and Treatment of Acute and Chronic Heart Failure 2012 of the European Society of Cardiology. Developed in collaboration with the Heart Failure Association (HFA) of the ESC. *Eur Heart J* 2012; 33:1787.
- Travers B, O'Loughlin C, Murphy NF, et al. Fluid restriction in the management of decompensated heart failure: no impact on time to clinical stability. *J Card Fail* 2007; 13:128.
- Aliti GB, Rabelo ER, Clausell N, et al. Aggressive fluid and sodium restriction in acute decompensated heart failure: a randomized clinical trial. *JAMA Intern Med* 2013; 173:1058.
- Cotter G, Metzko E, Kaluski E, et al. Randomised trial of high-dose isosorbide dinitrate plus low-dose furosemide versus high-dose furosemide plus low-dose isosorbide dinitrate in severe pulmonary oedema. *Lancet* 1998; 351:389.
- Sharon A, Shpirer I, Kaluski E, et al. High-dose intravenous isosorbide-dinitrate is safer and better than Bi-PAP ventilation combined with conventional treatment for severe pulmonary edema. *J Am Coll Cardiol* 2000; 36:832.
- Palmer RF, Lasseter KC. Drug therapy. Sodium nitroprusside. *N Engl J Med* 1975; 292:294.
- Packer M, Meller J, Medina N, et al. Rebound hemodynamic events after the abrupt withdrawal of nitroprusside in patients with severe chronic heart failure. *N Engl J Med* 1979; 301:1193.
- O'Connor CM, Starling RC, Hernandez AF, et al. Effect of nesiritide in patients with acute decompensated heart failure. *N Engl J Med* 2011; 365:32.
- Gheorghiade M, Zannad F, Sopko G, et al. Acute heart failure syndromes: current state and framework for future research. *Circulation* 2005; 112:3958.
- Sigurdsson A, Swedberg K. Left ventricular remodelling, neurohormonal activation and early treatment with enalapril (CONSENSUS II) following myocardial infarction. *Eur Heart J* 1994; 15 Suppl B:14.
- Antman EM, Anbe DT, Armstrong PW, et al. ACC/AHA guidelines for the management of patients with ST-elevation myocardial infarction: a report of the American College of Cardiology/American Heart Association Task Force on Practice Guidelines (Committee to Revise the 1999 Guidelines for the Management of Patients with Acute Myocardial Infarction). *Circulation* 2004; 110:e82.
- Gage J, Rutman H, Lucido D, LeJemtel TH. Additive effects of dobutamine and amrinone on myocardial contractility and ventricular performance in patients with severe heart failure. *Circulation* 1986; 74:367.
- Mager G, Klocke RK, Kux A, et al. Phosphodiesterase III inhibition or adrenoreceptor stimulation: milrinone as an alternative to dobutamine in the treatment of severe heart failure. *Am Heart J* 1991; 121:1974.
- Cuffe MS, Califf RM, Adams KF Jr, et al. Short-term intravenous milrinone for acute exacerbation of chronic heart failure: a randomized controlled trial. *JAMA* 2002; 287:1541.
- Abraham WT, Adams KF, Fonarow GC, et al. In-hospital mortality in patients with acute decompensated heart failure requiring intravenous vasoactive medications: an analysis from the Acute Decompensated Heart Failure National Registry (ADHERE). *J Am Coll Cardiol* 2005; 46:57.
- Burger AJ, Elkayam U, Neibaur MT, et al. Comparison of the occurrence of ventricular arrhythmias in patients with acutely decompensated congestive heart failure receiving dobutamine versus nesiritide therapy. *Am J Cardiol* 2001; 88:35.
- Simonton CA, Chatterjee K, Cody RJ, et al. Milrinone in congestive heart failure: acute and chronic hemodynamic and clinical evaluation. *J Am Coll Cardiol* 1985; 6:453.
- Anderson JL. Hemodynamic and clinical benefits with intravenous milrinone in severe chronic heart failure: results of a multicenter study in the United States. *Am Heart J* 1991; 121:1956.
- Liang CS, Sherman LG, Doherty JU, et al. Sustained improvement of cardiac function in patients with congestive heart failure after short-term infusion of dobutamine. *Circulation* 1984; 69:113.
- Unverferth DV, Magorien RD, Lewis RP, Leier CV. Long-term benefit of dobutamine in patients with

congestive cardiomyopathy. *Am Heart J* 1980; 100:622.

- Elkayam U, Ng TM, Hatamizadeh P, et al. Renal Vasodilatory Action of Dopamine in Patients With Heart Failure: Magnitude of Effect and Site of Action. *Circulation* 2008; 117:200.
- Chen HH, Anstrom KJ, Givertz MM, et al. Low-dose dopamine or low-dose nesiritide in acute heart failure with renal dysfunction: the ROSE acute heart failure randomized trial. *JAMA* 2013; 310:2533.
- Butler J, Young JB, Abraham WT, et al. Beta-blocker use and outcomes among hospitalized heart failure patients. *J Am Coll Cardiol* 2006; 47:2462.
- Metra M, Torp-Pedersen C, Cleland JG, et al. Should beta-blocker therapy be reduced or withdrawn after an episode of decompensated heart failure? Results from COMET. *Eur J Heart Fail* 2007; 9:901.
- Fonarow GC, Abraham WT, Albert NM, et al. Influence of beta-blocker continuation or withdrawal on outcomes in patients hospitalized with heart failure: findings from the OPTIMIZE-HF program. *J Am Coll Cardiol* 2008; 52:190.
- Orso F, Baldasseroni S, Fabbri G, et al. Role of beta-blockers in patients admitted for worsening heart failure in a real world setting: data from the Italian Survey on Acute Heart Failure. *Eur J Heart Fail* 2009; 11:77.
- Hsu HO, Hickey RF, Forbes AR. Morphine decreases peripheral vascular resistance and increases capacitance in man. *Anesthesiology* 1979; 50:98.
- Pur-Shahriari AA, Mills RA, Hoppin FG Jr, Dexter L. Comparison of chronic and acute effects of morphine sulfate on cardiovascular function. *Am J Cardiol* 1967; 20:654.
- Sosnowski MA. Review article: lack of effect of opiates in the treatment of acute cardiogenic pulmonary oedema. *Emerg Med Australas* 2008; 20:384.
- Peacock WF, Hollander JE, Diercks DB, et al. Morphine and outcomes in acute decompensated heart failure: an ADHERE analysis. *Emerg Med J* 2008; 25:205.
- Costanzo MR, Saltzberg M, O'Sullivan J, Sobotka P. Early ultrafiltration in patients with decompensated heart failure and diuretic resistance. *J Am Coll Cardiol* 2005; 46:2047.
- Bart BA, Boyle A, Bank AJ, et al. Ultrafiltration versus usual care for hospitalized patients with heart failure: the Relief for Acutely Fluid-Overloaded Patients With Decompensated Congestive Heart Failure (RAPID-CHF) trial. *J Am Coll Cardiol* 2005; 46:2043.
- Costanzo MR, Guglin ME, Saltzberg MT, et al. Ultrafiltration versus intravenous diuretics for patients hospitalized for acute decompensated heart failure. *J Am Coll Cardiol* 2007; 49:675.

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