

# Lichamelijk onderzoek bij de benauwde patiënt

Maarten Baggelaar Seh arts KNMG



<b>(Potentiële) belangenverstrengeling</b>	<b>Geen</b>
Voor bijeenkomst mogelijk relevante relaties met bedrijven	•Geen
•Sponsoring of onderzoeksgeld •Honorarium of andere (financiële) vergoedingen •Aandeelhouder •Andere relatie	•Geen •Geen •Geen •Geen

**Toen ik ooit begon.....**



**Wat is de kans dat de ambulance  
verpleegkundige de  
diagnose hartfalen goed stelt?**

**EVIDENCE-BASED RESEARCH**

**Correlation of paramedic administration of furosemide with emergency physician diagnosis of congestive heart failure**

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60% in deze studie

**Bij hoeveel procent van de patiënten twijfelt de SEH arts over de diagnose hartfalen?**

# Clinical Uncertainty, Diagnostic Accuracy, and Outcomes in Emergency Department Patients Presenting With Dyspnea

*Sandy M. Green, MD; Abelardo Martinez-Rumayor, MD; Shawn A. Gregory, MD; Aaron L. Baggish, MD; Michelle L. O'Donoghue, MD; Jamie A. Green, MD; Kent B. Lewandrowski, MD; James L. Januzzi Jr, MD*

# 30% volgens deze studie

**Wat zijn de meest betrouwbare  
voorspellers bij lichamelijk  
onderzoek voor hartfalen?**



# Diagnosis of Acute Heart Failure in the Emergency Department: An Evidence-Based Review

**Brit Long, MD\***  
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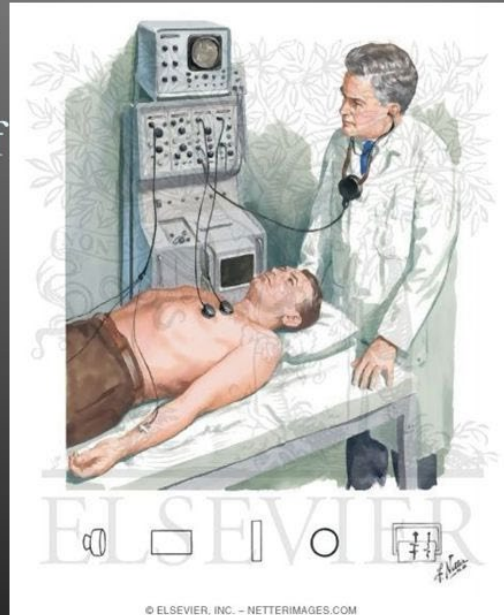
‡Rush University Medical Center, Department of Emergency Medicine, Chicago, Illinois

# Een derde harttoon of verhoogde CVD volgens deze studie

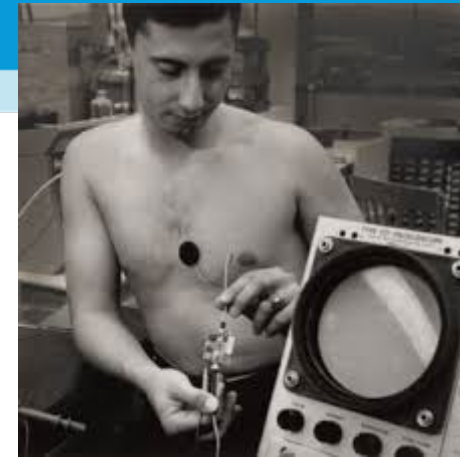
**Table 2.** History and examination findings in acute heart failure.<sup>59</sup>

Finding	Sensitivity (95% CI)	Specificity (95% CI)	+LR (95% CI)	-LR (95% CI)
Orthopnea	52.1 (50.1–54.0)	70.5 (68.8–72.1)	1.9 (1.4–2.5)	0.74 (0.64–0.85)
PND	46.2 (43.7–48.6)	73.9 (71.9–75.9)	1.6 (1.2–2.1)	0.79 (0.71–0.88)
Dyspnea at rest	54.6 (51.2–58.0)	49.6 (46.9–52.3)	1.1 (0.9–1.4)	0.88 (0.74–1.04)
No productive cough	82.0 (79.6–84.4)	25.8 (23.5–28.2)	1.13 (1.02–1.26)	0.6 (0.5–0.8)
History of CHF	55.5 (53.9–57.1)	80.2 (79.0–81.3)	2.7 (2.0–3.7)	0.58 (0.49–0.68)
History of MI	31.8 (29.7–33.9)	87.1 (85.8–88.3)	2.1 (1.8–2.5)	0.82 (0.76–0.89)
History of AF	30.2 (27.4–33.2)	85.3 (82.8–87.5)	2.1 (1.6–2.9)	0.82 (0.71–0.93)
History of CAD	46.6 (44.5–48.7)	76.2 (74.6–77.7)	2.0 (1.7–2.4)	0.71 (0.64–0.79)
History of DM	28.8 (27.4–30.4)	81.7 (80.4–82.8)	1.5 (1.3–1.7)	0.89 (0.84–0.94)
History of CRD	32.0 (29.4–34.6)	91.4 (90.0–92.7)	3.4 (2.7–4.5)	0.75 (0.71–0.80)
History of HTN	66.9 (65.5–68.3)	50.7 (49.4–52.1)	1.3 (1.3–1.4)	0.62 (0.53–0.73)
S3	12.7 (11.5–14.0)	97.7 (97.2–98.2)	4.0 (2.7–5.9)	0.91 (0.88–0.95)
JVD	37.2 (35.7–38.7)	87.0 (85.9–88.0)	2.8 (1.7–4.5)	0.76 (0.69–0.84)
Hepato-jugular reflex	14.1 (11.9–16.6)	93.4 (91.2–95.2)	2.2 (1.3–3.7)	0.91 (0.88–0.94)
Leg edema	51.9 (50.5–53.4)	75.2 (74.0–76.4)	1.9 (1.6–2.3)	0.68 (0.61–0.75)
Rales	62.3 (60.8–63.7)	68.1 (66.7–69.4)	1.8 (1.5–2.1)	0.60 (0.51–0.69)
Wheeze	22.3 (20.9–23.8)	64.0 (62.5–65.4)	0.6 (0.5–0.8)	1.19 (1.10–1.30)
No fever	92.4 (90.9–93.8)	20.6 (18.8–22.5)	1.14 (1.02–1.27)	0.4 (0.3–0.6)
Murmur	27.8 (25.8–29.9)	83.2 (81.6–84.8)	1.9 (0.9–3.9)	0.93 (0.79–1.08)

- ▶ Phonocardiography: the process of graphical recording of heart sounds or murmurs



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Phonocardiography 5/23/2015







Roel de Vos heeft dit als repost geplaatst



**Amphia**

21.032 volgers

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Eind 2021 zijn wij in Amphia met de Hart-Long-poli gestart. Sinds deze maand is het mogelijk om vanuit Zorgdomein direct naar deze poli te verwijzen. Inmiddels hebben we al meer dan 80 patiënten ...meer weergeven



413

17 commentaren • 7 reposts

## De toekomst



# Iedereen een echo apparaat



**Nog andere vragen of opmerkingen?**