

<b>Review title or ID</b>
Effectiveness and cost-effectiveness of serum B-type natriuretic peptide (BNP or NT-BNP) testing and monitoring in patients with heart failure (HF) in primary and secondary care

<b>Study ID</b> ( <i>surname of first author and year first full report of study was published e.g. Smith 2001</i> )

<b>Report IDs of other reports of this study</b> ( <i>e.g. duplicate publications, follow-up studies</i> )

## 1. General Information

<b>Date form completed</b> <i>(dd/mm/yyyy)</i>	
<b>Name of person extracting data</b>	
<b>Report title</b> <i>(title of paper/ abstract/ report that data are extracted from)</i>	
<b>Report ID</b> <i>(ID for this paper/ abstract/ report)</i>	
<b>Reference details</b>	
<b>Report author contact details</b>	
<b>Publication type</b> <i>(e.g. full report, abstract, letter)</i>	
<b>Study funding sources</b> <i>(including role of funders)</i>	
<b>Possible conflicts of interest</b> <i>(for study authors)</i>	
<b>Notes:</b>	

## 2. Study Eligibility

Study Characteristics	Eligibility criteria <i>(Insert eligibility criteria for each characteristic as defined in the Protocol)</i>	Yes    No    Unclear	Location in text <i>(pg &amp; ¶/fig/table)</i>
Type of study	Randomised Controlled Trial	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
	Controlled Clinical Trial <i>(quasi-randomised trial)</i>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Participants	Patients >18 years who are being treated for HF in primary or secondary care.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Intervention	Treatment guided by serial BNP measurements (BNP-guided therapy). Treatment guided by clinical assessment (standard care).	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Any outcome measures reported	All-cause mortality Death related to HF Cardiovascular death All-cause hospital admission Hospital admission for HF Adverse events Quality of life	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
INCLUDE <input type="checkbox"/> EXCLUDE <input type="checkbox"/>			
If excluded, provide reason			
Notes:			

DO NOT PROCEED IF STUDY EXCLUDED FROM REVIEW

### 3. Participants and Setting

	Description	Location in text <i>(pg &amp; ¶/fig/table)</i>
<b>Number of participants randomised, incl. no. in each group</b>		
<b>Population description</b> <i>(from which study participants are drawn)</i>		
<b>Setting</b> <i>(e.g. Primary or secondary care, in-hospital etc)</i>		
<b>Inclusion criteria</b>		
<b>Exclusion criteria</b>		
<b>Method/s of recruitment of participants</b>		
<b>Informed consent obtained</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unclear	
<b>Any baseline imbalances identified?</b>		
<b>Withdrawals and exclusions</b> <i>(if not provided below by outcome)</i>		
<b>Age</b>		
<b>Sex</b>		
<b>Race/Ethnicity</b>		
<b>Severity of illness</b> <i>(e.g. LV function, NYHA class)</i>		
<b>Co-morbidities</b>		
<b>Other treatment received</b> <i>(additional to study intervention)</i>		
<b>Other relevant sociodemographics</b>		
<b>Subgroups measured</b>		
<b>Subgroups reported</b>		
<b>Notes:</b>		

## 4. Methods

	Descriptions as stated in report/paper	Location in text (pg & ¶/fig/table)
<b>Aim of study</b>		
<b>Design</b> (e.g. parallel, crossover, cluster)		
<b>Unit of allocation</b> (by individuals, cluster/ groups or body parts)		
<b>Start date</b>		
<b>End date</b>		
<b>Total study duration</b>		
<b>Ethical approval needed/ obtained for study</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unclear	
<b>Notes:</b>		

## 5. Intervention Details

### Intervention Group (BNP guided therapy)

	Description as stated in report/paper	Location in text (pg & ¶/fig/table)
<b>BNP/NTproBNP target</b>		
<b>Description of intervention</b> (include sufficient detail for replication, e.g. content, dose, components)		
<b>Treatment algorithm used</b>		
<b>Duration of treatment period</b>		
<b>Timing</b> (e.g. frequency, duration)		
<b>Delivery of intervention</b> (how was the intervention delivered)		
<b>Intervention providers</b> (who delivered the intervention)		
<b>Co-interventions</b>		
<b>Notes:</b>		

## Control Group (Symptom-Guided Therapy)

	Description as stated in report/paper	Location in text (pg & ¶/fig/table)
<b>Clinical target</b>		
<b>Description of intervention</b> <i>(include sufficient detail for replication, e.g. content, dose, components)</i>		
<b>Treatment algorithm used</b>		
<b>Duration of treatment period</b>		
<b>Timing</b> <i>(e.g. frequency, duration)</i>		
<b>Delivery of intervention</b> <i>(how was the intervention delivered)</i>		
<b>Intervention providers</b> <i>(who delivered the intervention)</i>		
<b>Co-interventions</b>		
<b>Notes:</b>		

## 6. Outcomes Reported

Outcome reported	Yes	No	Unclear	Comments	Location in text (pg & ¶/fig/table)
All-cause mortality	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Death related to HF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Cardiovascular death	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
All-cause hospital admission	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Hospital admission for HF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Adverse events	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Quality of life	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

## 7. Risk of Bias Assessment

Domain	Judgement			Description	Location in text (pg & ¶/fig/table)
	Low risk	High risk	Unclear		
<b>Random sequence generation</b> <i>(selection bias)</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<b>Allocation concealment</b> <i>(selection bias)</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<b>Blinding of participants and personnel</b> <i>(performance bias)</i>					
<i>All-cause mortality</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<i>Cause specific mortality (death from HF / CVD)</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<i>Adverse events/hospital admission</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<i>QoL</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<b>Blinding of outcome assessment</b> <i>(detection bias)</i>					
<i>All-cause mortality</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<i>Cause specific mortality (death from HF / CVD)</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<i>Adverse events/hospital admission</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<i>QoL</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<b>Incomplete outcome data</b> <i>(attrition bias)</i>					
<i>All-cause mortality</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<i>Cause specific mortality (death from HF / CVD)</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<i>Adverse events/hospital admission</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<i>QoL</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<b>Selective outcome reporting?</b> <i>(reporting bias)</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<b>Other bias</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

