

# RESPONSIVE: efficacy and therapeutic response to Procoralan® in the treatment of chronic stable angina pectoris in routine medical practice

<b>Submission date</b> 24/01/2013	<b>Recruitment status</b> No longer recruiting	<input checked="" type="checkbox"/> Prospectively registered <input type="checkbox"/> Protocol
<b>Registration date</b> 15/02/2013	<b>Overall study status</b> Completed	<input type="checkbox"/> Statistical analysis plan <input checked="" type="checkbox"/> Results
<b>Last Edited</b> 11/01/2019	<b>Condition category</b> Circulatory System	<input type="checkbox"/> Individual participant data

## Plain English summary of protocol

### Background and study aims

Coronary heart disease is the leading cause of death in Germany. The main symptoms are angina (chest pain), heart attacks and heart failure. Procoralan® (ivabradine) is a drug that is used instead of or in combination with beta blockers to treat angina and reduce heart rate. The aim of this study is to gather information on the effectiveness and tolerance of Procoralan® treatment either in combination or not with beta blockers. Information is to be gathered regarding the effect of Procoralan® on angina and resting heart rate, on possible interactions between Procoralan® and other medications, and adverse drug reactions.

### Who can participate?

Patients with angina who are to be treated with Procoralan® either in combination or not with a beta blocker

### What does the study involve?

Procoralan® is given to participants according to the usual procedure. Three examinations are planned during routine treatment: an examination at the start of the treatment, a check-up examination after about one month of treatment, and a final examination either at the end of treatment or after about four months of treatment. Information is collected on medical history, other medications and diseases, heart rate and blood pressure.

### What are the possible benefits and risks of participating?

The study does not affect the regular treatment of patients and all examinations and medical procedures do not exceed the normal procedure of treatment. Patients are therefore not exposed to any additional risks.

### Where is the study run from?

Servier Deutschland GmbH (Germany)

When is the study starting and how long is it expected to run for?  
March 2013 to September 2013

Who is funding the study?  
Servier Deutschland GmbH (Germany)

Who is the main contact?

1. Dr Martin Kühn
2. Dr Stefan Perings

## Contact information

### Type(s)

Scientific

### Contact name

Dr Martin Kühn

### Contact details

Elsenheimer Str. 53  
München  
Germany  
80687

## Additional identifiers

### Protocol serial number

IC4-16257-132-DEU

## Study information

### Scientific Title

RESPONSiFVE: efficacy and therapeutic response to Procoralan® in the treatment of chronic stable angina pectoris in routine medical practice a prospective non-interventional study

### Study objectives

The study aims at gaining information on efficacy and tolerance of Procoralan® treatment (as proven in clinical trials) either in combination or not with beta blockers in patients under daily routine medical procedures.

Additional information is sought on the percentile distribution of patients who's heart rate is reduced to less than 70 bpm or who's heart rate is reduced by at least 10 bpm (responder analysis).

Supplementary information is to be gained regarding influence of Procoralan® therapy on angina pectoris symptoms and resting heart rate, on possible correlations between Procoralan® and various pre- and concomitant medications, on possible adverse drug reactions and on administration of Procoralan® in accordance to summary of product information and routine medical practice.

## **Ethics approval required**

Old ethics approval format

## **Ethics approval(s)**

Freiburg Ethics Commission International, 14/01/2013

## **Study design**

Multi-center prospective non-interventional study (post-marketing authorisation)

## **Primary study design**

Observational

## **Study type(s)**

Treatment

## **Health condition(s) or problem(s) studied**

Chronic stable angina pectoris/cardiology

## **Interventions**

Participating physicians receive a spiral folder including the complete documents for four patients with chronic stable angina pectoris who are to be treated routinely with Procoralan®. Data will be documented at four planned examinations. The exact dates are set according to routine medical procedure of the attending physician.

At baseline examination (U1; at the beginning of treatment) data will be documented on:

1. Date of examination
2. Patient data (age, gender, height, weight)
3. Anamnesis (duration and type of coronary heart disease, duration of chronic stable angina pectoris, CCS-classification, data on myocardial infarctions)
4. Further cardiac findings (chronic cardiac insufficiency, NYHA-classification, left-ventricular dysfunction, cardiac valvular defects) preceding therapies (PCI, CABG, cardiac pacemaker implantation)
5. Cardiovascular risk factors (genetic disposition, arterial hypertonia, diabetes mellitus, adiposity, dyslipidemia, nicotine abuse, elevated resting heart rate (>70 bpm))
6. Concomitant diseases (status post stroke, TIA, asthma, COPD, depression, sleep apnea, nephropathy, PVD, thyroid disease, other)
7. Use of beta blockers (current therapy, start of therapy, contraindications or intolerance to beta blockers such as asthma, hypotonia, arterioventricular conduction disturbances, bradycardia, COPD, erectile dysfunction, tiredness/fatigue, intake of calcium channel blockers (type verapamil/diltiazem), other), other cardiovascular medication (ACE-inhibitor, AT1-receptor antagonist, aldosterone antagonist, long-acting nitrates, ranolazine, molsidomine, calcium antagonists (type verapamil/diltiazem or dihydropyridine), NSAIDs, clopidogrel/prasugrel /ticagrelor, other platelet aggregation inhibitors, statine, diuretics, anti arrhythmic agents, other antilipemics)
8. Further concomitant medication (oral diabetics, insulin, anti depressants, oral anticoagulants, thyroxin, ulcer therapeutics, COPD-medication, medication for asthma, other medication)
9. Actual findings (heart rate, blood pressure, frequency of occurred angina pectoris episodes and usage of short-acting nitrates over the past seven days), Procoralan® therapy (patient classification, intended dose)

Data on examination 2 (U2, approximately one month following therapy start):

1. Date of examination

2. Information on continuation/discontinuation/change in dose of Procoralan® therapy
3. Information on possibly occurred adverse drug reactions or adverse reactions leading to termination of Procoralan® therapy  
-information on changes in therapy with beta blockers or pharmaceutical treatment of stable angina pectoris
4. Actual findings (heart rate, blood pressure, frequency of occurred angina pectoris episodes and usage of short-acting nitrates over the past seven days)

Data on examination 3 (U3, approximately four months post start of therapy or at termination of Procoralan® therapy)

1. Date of examination
2. Information on continuation/discontinuation/change in dose of Procoralan® therapy
3. Information on possibly occurred adverse drug reactions or adverse reactions leading to termination of Procoralan® therapy
4. Information on changes in therapy with beta blockers or pharmaceutical treatment of stable angina pectoris
5. Actual findings (heart rate, blood pressure, frequency of occurred angina pectoris episodes and usage of short-acting nitrates over the past seven days, CCS-classification, NYHA-classification, left ventricular dysfunction)
6. Assessment of Procoralan® (efficacy, tolerance)
7. Possibly occurred particularities under Copaxone® (over dose, pregnancy)

### **Intervention Type**

Drug

### **Phase**

Not Applicable

### **Drug/device/biological/vaccine name(s)**

Ivabradine

### **Primary outcome(s)**

The study aims at gaining information on efficacy and tolerance of Procoralan® treatment (as proven in clinical trials) either in combination or not with beta blockers in patients under daily routine medical procedures.

Additional information is sought on the percentil distribution of patients who's heart rate is reduced to less than 70 bpm or who's heart rate is reduced by at least 10 bpm (responder analysis).

### **Key secondary outcome(s)**

Supplementary information is to be gained regarding:

1. Influence of Procoralan® therapy on angina pectoris symptoms and resting heart rate
2. On possible correlations between Procoralan® and various pre- and concomitant medications
3. On possible adverse drug reactions
3. On administration of Procoralan® in accordance to summary of product information and routine medical practice

### **Completion date**

30/09/2013

## **Eligibility**

## **Key inclusion criteria**

1. Adult patients, either sex, with chronic stable angina pectoris
2. who are to be routinely treated with Procoralan®, regarding the summary of product characteristics, either in combination or not with beta blocker medications.

## **Participant type(s)**

Patient

## **Healthy volunteers allowed**

No

## **Age group**

Adult

## **Sex**

All

## **Key exclusion criteria**

All contraindications listed in summary of product characteristics.

## **Date of first enrolment**

01/03/2013

## **Date of final enrolment**

31/05/2013

## **Locations**

### **Countries of recruitment**

Germany

### **Study participating centre**

**Elsenheimer Str. 53**

München

Germany

80687

## **Sponsor information**

### **Organisation**

Servier Deutschland GmbH (Germany)

### **ROR**

<https://ror.org/05wk4ae67>

# Funder(s)

## Funder type

Industry

## Funder Name

Servier Deutschland GmbH (Germany)

# Results and Publications

## Individual participant data (IPD) sharing plan

### IPD sharing plan summary

Not provided at time of registration

## Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
<a href="#">Results article</a>	results	01/09/2016	11/01/2019	Yes	No