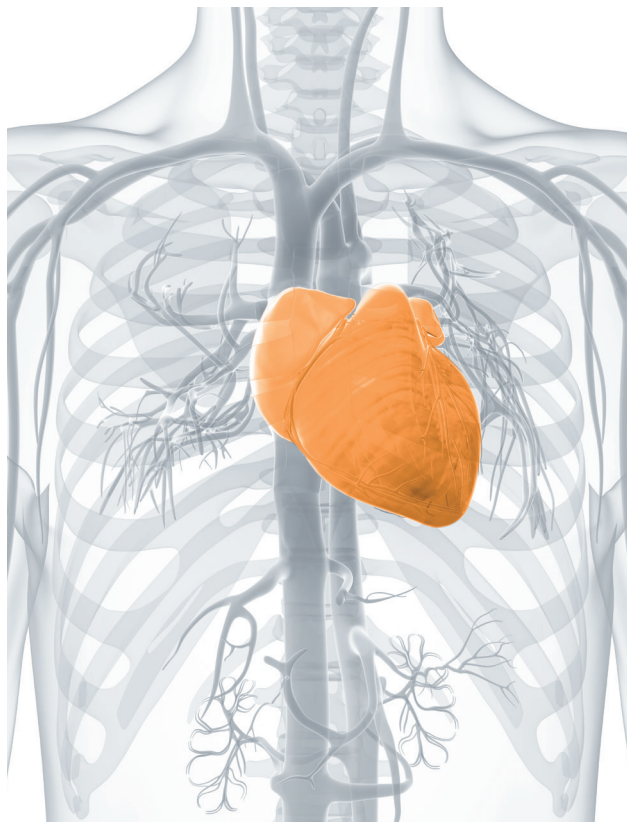


## CARDIAC COMPUTED TOMOGRAPHY

DIE RADIOLOGIE (Centre for Radiology) – Rely on our lead in experience and expertise in cardiac diagnostics, which we use for the benefit of your health every day.



## EXPERIENCE AND COMPETENCE IN CARDIAC DIAGNOSTICS

CARDIAC DIAGNOSTICS



**DIE RADIOLOGIE**

INDIVIDUELLE DIAGNOSTIK

### **DIE RADIOLOGIE (CENTRE FOR RADIOLOGY)** AT 14 LOCATIONS IN AND AROUND MUNICH

#### **MAIN SURGERY:**

Sonnenstraße 17 | 80331 Munich | Germany  
[www.die-radiologie.de](http://www.die-radiologie.de)

**T** +49 . 89 . 550 596 0

**E** [info@die-radiologie.de](mailto:info@die-radiologie.de)

### **WE PERFORM CARDIAC COMPUTED TOMOGRAPHY AT THE FOLLOWING LOCATIONS:**

#### **Prinzregentenplatz**

Prinzregentenplatz 13 | 81675 Munich | Germany

#### **München Zentrum**

Sonnenstraße 17 | 80331 Munich | Germany

For detailed information, please visit our website:  
[www.die-radiologie.de](http://www.die-radiologie.de)



## CARDIAC DIAGNOSTICS

INNOVATIVE AND NON-INVASIVE  
CARDIAC COMPUTED  
TOMOGRAPHY

INCREASED  
CLARITY FOR  
YOUR HEALTH

[WWW.DIE-RADIOLOGIE.DE](http://WWW.DIE-RADIOLOGIE.DE)

## HEALTH AND SCREENING



**TOTAL DURATION OF THE EXAMINATION:**  
15 MINUTES



**INDIVIDUAL RISK CALCULATION**



**PRECISE RESULTS FOR YOUR HEALTH**

### How healthy is your heart?

Heart attacks usually come on without warning. In Germany alone, 280,000 people suffer heart attacks each year, more than one third of those affected die from ensuing complications. An examination in a modern 64-slice cardiac CT scanner enables detection and precise imaging of dangerous coronary artery calcification (coronary calcification screening) or constriction (coronary angiography) in a few minutes. An elaborate cardiac catheter examination via a puncture in the groin is thus no longer necessary in many cases.

### The examination is recommended:

- for smokers
- in the case of high blood pressure (arterial hypertension)
- in the case of high blood sugar (diabetes mellitus)
- in the case of raised cholesterol values
- in the case of hereditary predisposition

The individual risk of coronary heart disease (CHD) (Agatston score) can be reliably determined by coronary calcification measurement even in patients with no symptoms who have corresponding risk factors. In case of untypical symptoms or an average risk of the presence of CHD, relevant coronary artery constriction can be reliably proven or ruled out by coronary computed tomography angiography – without puncturing the groin or inserting a catheter.

## NON-INVASIVE EXAMINATION PROCEDURE



**VERY HIGH IMAGE QUALITY**



**PAIN-FREE EXAMINATION**

CT

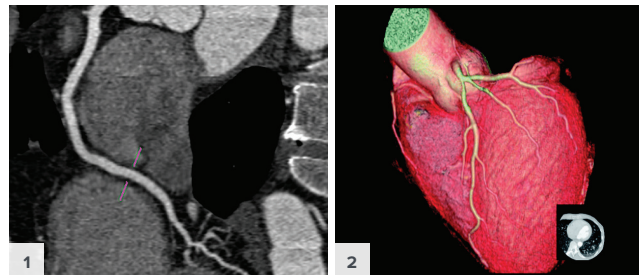
**COMPUTED TOMOGRAPHY TECHNOLOGY**

### How is the examination performed?

In the first step, we carry out so-called calcium scoring. This method indicates the possible presence of dangerous coronary artery calcification in just 15 seconds. The administered radiation dose is very low; contrast injection is not necessary. Afterwards we can calculate your individual risk of heart attack.

Depending on the issue at hand, computed tomography of the coronary arteries can be performed afterwards. This coronary computed tomography angiography (CCTA) directly visualises vasoconstriction, i.e. so-called stenosis, calcification and soft tissue plaques. For this procedure, we administer a well tolerated, iodinated contrast agent, which produces a precise 3-dimensional image of the heart and the coronary arteries.

The entire examination is performed while you are lying down and takes approx. 5–10 minutes.



## BENEFITS, PREPARATION AND COSTS OF CARDIAC CT SCANNING



**NON-INVASIVE**



**OUTPATIENT EXAMINATION**



**COVERED BY PRIVATE HEALTH INSURANCE PROVIDERS**

### The benefits of 64-slice cardiac CT scanning

- Fast, safe and convenient individual risk analysis
- Screening without arterial puncture, catheter or pressure bandage
- Examination takes just a few minutes, with no hospital stay

### What preparation is necessary?

Prior to planned contrast agent administration, we require the laboratory results from your kidney and thyroid function tests (creatinine and TSH). To ensure that your heart beats calmly and smoothly, you should not drink any coffee or tea before the examination.

### Who covers the screening examination costs?

Private health insurance providers in Germany usually reimburse the full cost of the screening examination. Compulsory health insurance funds cover the costs only upon request in justified cases.

Our physicians will be happy to advise you individually about this innovative technology. Please feel free to contact us.

- 1 Reconstruction of the right coronary artery (low-dose CT coronary angiography; 0.5mSv)
- 2 3D reconstruction of the heart