

## ***MYOCARDIAL PERFUSION SPECT AT REST***

The study of myocardial perfusion is carried out using isonitrile radiotracers which are injected endovenously and then penetrate the myocardial tissue proportionally to the regional flow.

### **Main indications**

- Completion of a positive myocardial SPECT with pharmacological testing to assess modifications of perfusion defects and the scale of the ischaemic and/or necrotic component;
- Confirmation and assessment, where necessary, of the location and extension of prior myocardial necrosis;
- Assessing the presence of healthy myocardial tissue in areas of prior necrosis, preferably after the administration of nitroderivates. For this purpose, the examination can be carried out also with the administration of Tl-201 chlorine.

### **Warnings**

1. Fasting for 4-6 hours is recommended;
2. Patients may continue with coronaractive therapies or medication relating to the primary heart disease.

### **Overall duration of the examination**

The examination lasts approximately 90 minutes: one hour of waiting after the injection and 30 minutes for the acquisition of tomoscintigraphic results.