

MISSION

MEDICINE IN SPACE STUDY - INVESTIGATION OF NEBIVOLOL **Effects of nebivolol on the cardiovascular functions, thermoregulation and blood flow during real and simulated conditions of microgravity**

This study is currently recruiting patients

Sponsor: Berlin-Chemie AG, Menarini

Intervention: Nebivolol 5 mg o.d., tablets.
Non invasive measurement of cardiovascular parameters in microgravity

Indication: The effect of nebivolol on cardiovascular, thermoregulatory and microcirculation parameters will be investigated under real (Zero-G parabolic flights) and simulated microgravity conditions (tilt table test) in healthy subjects.

Study type & design: double-blind, randomized, cross-over study

Main criteria for inclusion:

Male or female

Age 20 - 45 years

The subject is healthy

Positive standard medical check-up for parabolic flight

The subject has a normal cardiovascular adjustment during tilting-table tests

The subject is willing to restrain a normal fluid supply before the tilting-table tests without a subjective feeling of thirst

Main criteria for exclusion:

The subject has a concomitant illness and/or Nebivolol and/or scopolamine specific contraindications (acc. to SmPC)

Known idiosyncrasy (hypersensitivity) to Nebivolol and/or scopolamine or to any of the ingredients of the study drugs, or any known hypersensitivity to beta-blocker and/or anticholinergic drugs

Known motion sickness

Known fear of flying and/or abnormal nervousness