Patients scheduled for subclavian venous central catheter

Informed consent before catheter cannulation

(Patient or next of kin)

Excluded

Randomized 300 patients

Standard method

- Landmark guidance
- Radiographic examination

150 patients

Ultrasound method

- Real-time ultrasound guidance
- Ultrasound examination

150 patients

Procedure times and complications evaluation

(during procedure and until catheter withdrawal or hospital discharge)