

CLAIMS

What is claimed is

1. A catheter tube (1) for a steerable catheter, comprising a tube wall (10) surrounding a
5 tube lumen (L), the tube wall (10) comprising the following:
 - a mesh (101); and
 - a guide lumen (102) around which the mesh (101) is braided and in which a pull
element (103) extends from a proximal portion (1-1) of the catheter tube (1) to a
10 distal portion (1-2) of the catheter tube (1),
the pull element (103) being connected in a tension-resistant manner to the tube wall
(10) in the distal portion (1-2), and
the guide lumen (102) guiding the pull element (103) at least partially around the tube
lumen (L).
- 15 2. The catheter tube (1) according to claim 1, **characterized in that** the guide lumen
(102) describes at least a section of a helical path around the tube lumen (L).
3. The catheter tube (1) according to claim 1 or 2, **characterized in that** the guide lumen
(102) extends across a circumferential angel of at least 30° in the tube wall.
- 20 4. The catheter tube (1) according to any one of the preceding claims, **characterized in
that** the guide lumen (102) is delimited by a guide lumen tube (1021).
5. The catheter tube (1) according to claim 4, **characterized in that** the guide lumen tube
25 (1021) comprises Teflon.
6. The catheter tube (1) according to any one of the preceding claims, **characterized in
that** the distal portion (1-2) can be deformed three-dimensionally by an actuation of
the pull element (103).
- 30 7. The catheter tube (1) according to claim 6, **characterized in that** the catheter tube (1)
can be deformed, by an actuation of the pull element (103), in such a way that the distal

portion (1-2) is bent with respect to a main extension axis (Z) of the proximal portion (1-1).

8. The catheter tube (1) according to claim 6 or 7, **characterized in that** the catheter tube (1) can be deformed, by an actuation of the pull element (103), in such a way that the distal portion (1-2) describes at least a section of a spiral-shaped or helical path.
9. The catheter tube (1) according to any one of claims 6 to 8, **characterized in that** the catheter tube (1) can be deformed, by an actuation of the pull element (103), in such a way that local extension axes (C, C') of the distal portion (1-2), as seen in a projection along a main extension axis (Z) of the catheter tube (1), pass over an angle (α) in the range of at least 30°.
10. The catheter tube (1) according to any one of claims 6 to 8, **characterized in that** the catheter tube (1) can be deformed, by an actuation of the pull element (103), in such a way that local extension axes (C, C') of the distal portion (1-2), in a projection along a main extension axis (Z) of the catheter tube (1), describe at least approximately a section of a circular arc having a radius (R) in the range of 2 mm to 100 mm.
11. The catheter tube (1) according to any one of the preceding claims, **characterized in that** the catheter tube (1) comprises a plurality of tube segments having differing rigidities.
12. A method for implanting an implantable medical device by means of a steerable catheter, **characterized in that** the steerable catheter comprises a catheter tube (1) according to any one of the preceding claims, and that the method comprises the following steps:
 - inserting the catheter into the patient's body, and advancing (S1) the distal portion (1-2) of the catheter tube (1) into the vicinity of a desired implantation site;
 - deforming (S2) the distal portion (1-2), by an actuation of the pull element (103), in such a way that a distal end (1-20) of the catheter tube (1) rests against the tissue;

- fixing the implantable medical device at the desired implantation site (S3) by means of the catheter; and
- removing (S4) the catheter from the patient's body.

5 13. The method according to claim 12, **characterized in that** the implantable medical device is a cardiac pacemaker electrode lead, which is implanted in a location in the patient's heart suitable for HIS bundle pacing by means of the method.

10 14. The method according to claim 12, **characterized in that** the implantable medical device is a sensor, which is implanted into a pulmonary artery of the patient by means of the method.

15 15. The method according to claim 12, **characterized in that** the implantable medical device is an implantable leadless pacemaker, which is implanted into the heart of the patient by means of the method.