Claims

1. Device with a stent structure (2) which is intended for insertion into blood vessels of the human or animal body, wherein the stent structure (2) has an expanded state, in which it lies against the inner wall of the blood vessel, and a contracted state, in which it can be moved through the blood vessel within a microcatheter, wherein the stent structure (2) is connected, preferably at its proximal end, to a pusher wire (3) and the stent structure (2) is composed of individual braces connected to one another or of individual wires forming a mesh structure, wherein the device (1) can be used to treat a vasospasm and the stent structure (2) has a proximal, a middle and a distal section (7, 8, 9), wherein the proximal section (7) comprises the proximal end at which the stent structure (2) is connected to the pusher wire (3), and wherein the expanded stent structure (2) outside the proximal end exerts a substantially constant radial force over the effective length (5), wherein the effective length defines that part of the stent structure (2) which in the expanded state abuts against the inner wall of the blood vessel, characterized in that the braces or wires in the proximal and distal sections (7, 9) have a larger cross-section than in the middle section (8) and/or the density of the braces or wires in the proximal and distal section (7,9) is higher than in the middle section (8).

2. Device according to claim 1, characterized in that the stent structure (2) is self-expanding and changes automatically to the expanded state after release from the microcatheter.

3. Device according to claim 1 or 2, characterized in that the stent structure (2) has openings between the individual braces or wires which have an inscribed diameter ranging between 0.1 and 6 mm in the expanded state.

4. Device according to any one of claims 1 to 3, characterized in that the braces or wires have a height and width of between 30 and 300 µm in the case of an essentially rectangular cross-section and a diameter of 30 to 300 µm in the case of a round cross-section.

5. Device according to any one of claims 1 to 4, characterized in that the stent structure (2) has no braces or wires at the proximal and/or distal end in the center.

6. Device according to any one of claims 1 to 5, characterized in that the stent structure (2) has braces or wires at the distal end in the center.

7. Device according to any one of claims 1 to 6, characterized in that the stent structure (2) has an antithrombogeneous coating on the inner side.

8. Device according to any one of claims 1 to 7, characterized in that the stent structure (2) has a vascular-relaxing coating on the outside.

9. Device according to any one of claims 1 to 8, characterized in that the stent structure (2) has a radiopaque coating, in particular a gold coating, in whole or in part.

10. Device according to any one of claims 1 to 9, characterized in that the force exerted radially outwards from the expanded stent structure (2) is 2 and 16 N/m, preferably 5 to 8 N/m.