Claims

1. Kit of stents for adjustable interventional reduction of blood flow in a blood vessel, the kit comprising:

a first reduction stent (20) having in an expanded conformation at least one widened section (21) and a narrowed section (22), the narrowed section defining a central lumen (4) providing fluid communication between an upstream end (2') and a downstream end (1') of the first reduction stent (20);

at least one expandable dilatation stent (30) having a tubular form with a second central lumen (34) and being insertable into and expandable within the central lumen (4) of the first reduction stent (20) in order to enlarge the fluid communication;

at least one second reduction stent (40) having a narrowed tubular section (43) with a third central lumen (44) being insertable into the central lumen (4) of the first reduction stent (20) or the central lumen (34) of the dilatation stent (30) in order to reduce the fluid communication, and having anchoring means (41) at its upstream end, the anchoring means (41) having a larger maximal diameter than the narrowed section (43); and

wherein the first reduction stent (20) is a multi-lumen stent having a main body (10) with a proximal end (1) and a distal end (2), the main body (10) comprising an inner tube-like segment (3) defining the narrowed section with the central lumen (4) and an outer tube-like

segment (5) forming the widened section (21) defining an outer lumen (6) of the multi-lumen stent between an inner surface (8) of the outer tube-like segment (5) and an outer surface (9) of the inner tube-like segment (3); the central lumen (4) being adjustable in diameter and providing fluid communication between the proximal end (1) and the distal end (2) of the multi-lumen stent; the outer lumen (6) being closed at its distal end (2) by a annular cap-like segment (7) defining the intermediate segment (23) connecting the inner tube-like segment (3) with the outer tube-like segment (5), and being open at the proximal end (1).

2. An adjustable multi-lumen stent for interventional reduction of blood flow in a blood vessel, the multi-lumen stent having a main body (10) with a proximal end (1) and a distal end (2), the main body (10) comprising an inner tube-like segment (3) defining a central lumen (4) of the multi-lumen stent and an outer tube-like segment (5) defining an outer lumen (6) of the multi-lumen stent between an inner surface (8) of the outer tube-like segment (5) and an outer surface (9) of the inner tube-like segment (3);

the central lumen (4) being adjustable in diameter and providing fluid communication between the proximal end (1) and the distal end (2) of the multi-lumen stent;

the outer lumen (6) being closed at its distal end (2) by a annular cap-like segment (7) connecting the inner tube-like segment (3) with the outer tube-like segment (5), and being open at the proximal end (1) allowing the introduction of dilatation means, preferably balloons;

wherein the annular cap-like segment (7) of the main body (10) is provided with at least two orifices (11), preferably three orifices; and

wherein the at least two orifices (11), preferably three orifices (11), are arranged in a regular pattern around the central axis of the main body (10).