

CLAIM

1. A device for treatment of a canal associated with an orifice of a human or animal body, including:

5 a stem portion adapted for insertion along the canal, which stem portion includes at least one fluid flow passage extending along the stem portion;

an expandable member carried by the stem portion for occlusion of an inner end region of the canal;

10 a cap slidably mounted on the stem portion, proximally of the expandable member and configured as a receptacle, open distally for occlusion of an outer end of the canal and to accommodate the surface(s) about the outer end of the canal to thereby define, with the expandable member, a treatment cavity that includes the canal and surface(s) about the outer end of the canal;

one or more orifices in the stem portion through which treatment fluid is deliverable to the treatment cavity via said at least one fluid flow passage;

15 a fluid reservoir incorporated into the cap, which fluid reservoir is adapted to receive and store treatment fluid for contact with said surfaces about the outer end of the canal; and

20 characterised in that the device further includes an introducer for introducing the stem portion and the expandable member into the body, the stem portion being slidable within and relative to the introducer, and wherein the cap is slidable relative to the introducer with a sealing fit therebetween.

2. The device for treatment of a canal associated with an orifice of a human or animal body as claimed in claim 1 wherein the stem portion has a distal end and the expandable member is carried by the stem portion at or adjacent the distal end.

25 3. The device as claimed in claim 1 or claim 2 wherein the fluid reservoir comprises a receptacle portion of the cap.

4. The device as claimed in claim 3 wherein the cap includes a drainage chamber disposed proximally of the receptacle portion.

5. The device as claimed in any one of the preceding claims wherein the fluid reservoir comprises or includes a fluid retention element.

5 6. The device as claimed in claim 5 wherein the fluid retention element comprises an agent retaining material.

7. The device as claimed in any one of the preceding claims wherein the stem portion and the expandable member define a balloon catheter.

8. The device as claimed in any one of the preceding claims wherein the introducer
10 is relatively more rigid than the stem portion.

9. A device for treatment of a canal associated with an orifice of a human or animal body, including:

 a stem portion adapted for insertion along the canal, which stem portion includes at least one fluid flow passage extending along the stem portion;

15 an expandable member carried by the stem portion for occlusion of an inner end region of the canal;

 a cap slidably mounted on the stem portion, proximally of the expandable member and configured as a receptacle, open distally for occlusion of an outer end of the canal and to accommodate the surface(s) about the outer end of the canal
20 to thereby define, with the expandable member, a treatment cavity that includes the canal and surface(s) about the outer end of the canal;

 one or more orifices in the stem portion through which treatment fluid is deliverable to the treatment cavity via said at least one fluid flow passage;

 a fluid reservoir incorporated into the cap, which fluid reservoir is adapted
25 to receive and store treatment fluid for contact with said surfaces about the outer end of the canal; and

characterised in that the stem portion is slidable within and relative to an introducer for introducing the stem portion and expandable member into the body for occlusion of the inner region of the canal by the expandable member; and

wherein the introducer is removable from the stem portion and the cap is slidable
5 relative to the stem portion with a sealing fit therebetween.

10. The device as claimed in claim 9 wherein the introducer is removable by means of a slitted, perforable or frangible construction.

11. The device as claimed in claim 10 wherein the introducer has a lengthwise slit.

12. The device as claimed in any one of claims 9 to 11 wherein the introducer is
10 relatively more rigid than the stem portion.

13. The device as claimed in any one of claims 9 to 12 wherein the fluid reservoir comprises or includes a fluid retention element and the treatment is pre-loaded into the fluid retention element.

14. The device as claimed in claim 13 wherein the fluid retention element is an
15 agent retaining material.

15. The device as claimed in any one of the preceding claims wherein the distal end of the cap has an open end defined by a beaded rim of a cylindrical body and partially closed at the other by an annular wall.

16. The treatment device as claimed in any one of the preceding claims wherein
20 the introducer is provided with a distal beaded rim.

17. The device as claimed in any one of the preceding claims wherein an insertion tool is provided for pushing the cap distally.

18. The device as claimed in any one of the preceding claims wherein the insertion tool is removable by means of a slitted, perforable or frangible construction.

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