

Title (en)

RADIATION DELIVERY CATHETER WITH BLOOD PERFUSION CAPABILITY

Title (de)

KATHETER FÜR DIE STRAHLENTHERAPIE MIT BLUTPERFUSIONSMÖGLICHKEIT

Title (fr)

CATHETER D'APPLICATION DE RAYONNEMENT AVEC CAPACITE D'IRRIGATION DE SANG

Publication

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Application

EP 99932478 A 19990217

Priority

- US 9903327 W 19990217
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Abstract (en)

[origin: WO9940971A1] The invention is directed to a radiation delivery catheter with blood perfusion capability suitable for maintaining patency of a body lumen for a period of time sufficient to prevent delivery of a radiation source to the body lumen. The catheter utilizes an inflatable region which maintains and centers the catheter in the body lumen while allowing blood to perfuse therethrough. The inflatable region can be made up of discrete, segmented balloon elements which are oriented to create a passageway for blood to flow when the balloon elements are inflated. Additionally, the inflatable region can be made from a plurality of nodular balloon elements which expand from the elongated catheter body to contact the wall of the body lumen to permit blood flow through the inflatable region while radiation therapy is being provided.

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