INTRALUMINAL RADIATION TREATMENT SYSTEM

Abstract

This invention is a transfer device and catheter assembly (10) for the delivery of treatment elements to a selected location within the intraluminal passageways of a patient as part of an intraluminal radiation system.

The transfer device (12) includes a gate member that permits the treatment elements to leave the transfer device (12) only if the catheter (14) is attached thereto. A pressure indicator (56) provides a visual indication of the fluid pressure within the transfer device (12), and a pressure relief valve (56) provides for a release of the fluid if the pressure exceeds a predetermined pressure. Transfer device (12) also includes a treatment element detection system, low power indicator, a counter system, and an electromagnetic locking mechanism to prevent the opening or closing of the gate member when less than all of the treatment elements are in the transfer device.

(Figure 1)