At the same time, intravascular brachytherapy (IVB) requires quality management (QM) that parallels closely that for conventional brachytherapy yet differs markedly. In its short history of us only in clinical trials, IVB has suffered from several misadministrations. The goal of the QM is to assure that the right locations receive the correct doses. Thus, the program must address all of the components of the system that affect that delivery. This would include source strength, positioning of the source, timing the treatment, and assuring the correctness of the dose and the dose distribution. There are also safety checks and procedures to prevent accidents. The QM methodology depends on the natures of the various delivery systems available, and the various options will be discussed.

Learning Objectives — To understand

1. The factors that effect accurate delivery of vascular brachytherapy; and
2. The techniques to check for proper operation of all the important aspects of the delivery.

The presenter has performed research funded by Best Medical, although not related to intravascular brachytherapy.