Intracoronary brachytherapy as an adjunct to percutaneous revascularization to prevent and manage restenosis

BlueCross BlueShield Association

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Authors' objectives
An earlier Assessment (2001) concluded that intracoronary brachytherapy with ribbons containing gamma or beta radioactive seeds met the Blue Cross and Blue Shield (BCBS) Technology Evaluation Center criteria to manage in-stent restenosis of native coronary vessels. This updated assessment addresses five additional indications for use of intracoronary brachytherapy after a successful percutaneous coronary intervention (PCI), each of which failed to meet the TEC criteria in the previous Assessment. These include:

1. de novo stenosis in native coronary vessels; 2. restenosis of native vessels at an unstented site of prior percutaneous coronary intervention PCI; 3. de novo stenosis in a saphenous vein grafts (SVG); 4. restenosis of a SVG at an unstented site of prior PCI; and 5. in-stent restenosis in an SVG.

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