

# Stent with Side-Branch Ostial Cover on a Side-Hole Balloon Dilation Catheter

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## **UNMET NEED**

It is not easy to treat the disease in a coronary artery that involves the ostium of a major branch. Standard of care is to either provide stent coverage for the main diseased vessel and jail the major branch, or transfer patients to a specialized center to perform complex provisional strategy (both vessels are wired, the main vessel stented, jailed guidewire is carefully removed, and the side-branch is urgently rewired and stented when there is significant dissection or flow is compromised). Such interventions are time consuming, high risk, require preparation of the lesions, and potentially multiple exchanges of devices, which make them complex to treat, and more susceptible to adverse events. One in four side-branches are damaged during such intervention which can result in catastrophic outcome.

## SOLUTION

A specialized coronary stent with a side-branch ostial cover can now be easily and accurately deployed using a novel side-hole balloon dilation catheter using a simple technique. These stents, in addition to adequately treating the main coronary artery, also ensure that the normal blood flow and access is always maintained to the side-branch. Using a single stent, both the diseased coronary artery and the ostium of a major branch can now be easily and effectively treated. These newer generation stents and balloon dilation catheters will replace provisional strategy and eliminate the risks to the side-branch. With coronary artery disease involving a major branch been seen commonly during interventions, there is a strong need for such devices.



## PRODUCT

Coronary stent with sidebranch ostial cover on a sidehole balloon dilation catheter

### INDICATION

Coronary artery disease involving a major side-branch ostium

### VALUE PROPOSITION

- Single stent treats main vessel and side-branch ostium
- Blood flow and guidewire access to the side-branch is always protected and preserved
- Multiple guidewire exchanges not required
- Multiple stents not required
- Guidewire is never jailed
- Simple technique

## **DEVELOPMENT STAGE**

Prototypes ready

INTELLECTUAL PROPERTY

Issued and pending patents

**CONTACT INFORMATION** 

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