

# Side Exit Guiding Catheter for Percutaneous Endomyocardial Injection

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## Technology description

### Summary

The invention is a device for delivering a therapeutic or diagnostic agent to the heart using a flexible catheter having a non-concentric guide wire to facilitate percutaneous delivery of the catheter across the aortic valve into the left ventricular cavity. The catheter has a side port through which the therapeutic or diagnostic can be delivered and, in particular, by which septal ablation for the treatment of conditions such as hypertrophic cardiomyopathy can be accomplished. This catheter is able to "turn around" on itself to treat areas of the myocardium immediately underneath the aortic valve through which the catheter enters. The side port can be used to introduce a needle, laser or radiofrequency probe to perform an endomyocardial ablation procedure.

### Institution

[NIH - National Institutes of Health](#)

## 联系我们



叶先生

电话 : 021-65679356

手机 : 13414935137

邮箱 : yeyingsheng@zf-ym.com