

Vascular Solutions, Inc.  
Research & Development Update  
July 2005

Device Projects





EXHIBIT 20

**GuideLiner Device**

*A device for providing extra guide catheter back-up support during PTCA procedures.*

The initial Guide-Liner device is a 5F catheter that is inserted through a standard 6F guide catheter. It is intended to extend the guide catheter support up to 5 cm into the coronary artery. The initial design is an over-the-wire configuration, with a rapid exchange version to follow. Larger 6F and 7F sizes of the GuideLiner are also being developed. Prototypes have been made and evaluated. We expect to submit a 510(k) for the over-the-wire versions by late third quarter 2005.



