Before Guidewire insertion

A

Axial distance (mm) for severe or 89% area stenosis

Mean pressure drop (mmHg)

\[ \Delta \mathcal{P} \]

Axial-symmetric

Mean axial pressure characteristic for Mean flow rate:
- \( 45 \text{ ml/min} \)
- \( 75 \text{ ml/min} \)
- \( 93 \text{ ml/min} \)

During Guidewire insertion

B

Axial distance (mm) for severe or 89% area stenosis

Mean pressure drop (mmHg)

\[ \Delta \mathcal{P} \]

Guidewire

Axial-symmetric

Mean axial pressure characteristic for Mean flow rate:
- \( 34 \text{ ml/min} \)
- \( 61 \text{ ml/min} \)
- \( 81 \text{ ml/min} \)