Bench Testing and Coronary Artery Bifurcations: A Consensus Document from the European Bifurcation Club

V 11.10.16


Is there anyone else who would like to contribute?
Is there anyone on the list who should not be?
• The document has been through a number of iterations

• I am very grateful for the excellent contributions from coauthors

• There has been a lot of feed-back over the last few weeks and I am working on incorporating these suggestions

• I hope we will end up with a true consensus document

• It is almost ready to submit
Figure 1. Conservation of mass and the geometric relationship between vessel diameters in a bifurcation

Ref: Finet, Kassab, Murray

Law of flow (Q) conservation
Murray’s Law (Murray)
HK 7/3 model (Huo and Kassab)
Linear Law (Finet 2007)

Q_0 = Q_1 + Q_2
D_0^3 = D_1^3 + D_2^3
D_0^{7/3} = D_1^{7/3} + D_2^{7/3}
D_0 = 0.678 (D_1 + D_2)
Figure 1. Conservation of mass and the geometric relationship between vessel diameters

For the sake of consistency I would use the terms: Proximal MV, Distal MV and SB.

Figure 3. Nomenclature for the angles between branches
Figure 4. Shown is the derivation of the sometimes used nomenclature, angle B’
About 6000 words or more

Target journal?

- EuroIntervention?
- European Heart Journal?
- JACC Intervention?
- Other?