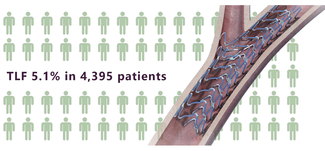
TERUMO

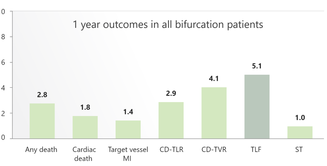
e-Ultimaster
Bifurcation sub group

Feature

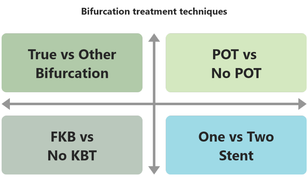
- 4,395 ptaients with bifurcation lesions treated with Ultimaster DES showed acceptable clinical outcomes with TLF 5.1%.
- Ultimaster with POT technique improved clinical outcomes.



Primary endpoint results

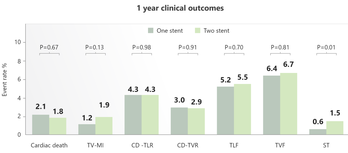


Procedural differences based on big data by propensity matched analysis



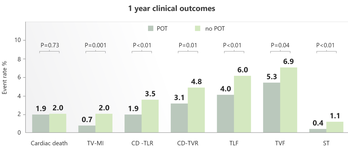
One vs Two stent

Both Ultimaster implantation with one-stent technique and that with two-stent technique showed excellent results. These results indicate Ultimaster can shift treatment strategy from one-stent strategy to two-stent strategy without increasing TLF.



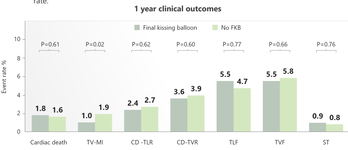
POT vs no POT

Ultimaster implantation with POT technique improved clinical outcomes in treatment of bifurcation lesions. Ultimaster is the one and only stent that proved the effectiveness of POT technique in bifurcation lesions.



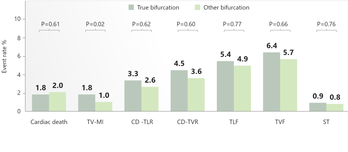
Final kissing balloon vs No final kissing balloon

Both Ultimaster implantation with FKB technique and that with No FKB technique showed excellent results. These results indicate that in cases requiring FKB technique not so much, Ultimaser may be able to skip FKB technique while maintaining low event rate.

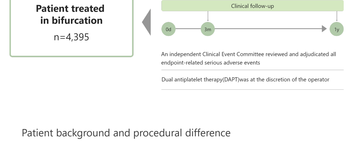


True bifurcation vs other bifurcation

Good performance of Ultimaster for both true and other bifurcation lesions



Study design

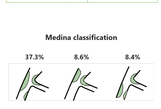


Patient background and procedural difference

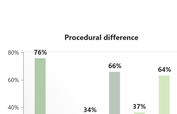
Patient characteristics	All bifurcation n=4,395
Mean age, year	65.6±11.1
Male patients, %	76.5
Hypertension, %	68.8
Diabetes, %	27.2
Hypercholesterolemia , %	62.1
Current smoker, %	20.5
Renal impairment, %	9.1
Present with ACS, %	48.4

Lesion/procedure characteristics	All bifurcation n=4,395
Radial access, %	80.2
Num of lesions treated, n	1.5±0.8
Num of stents/pt, n	1.9±1.1
Total stent length/pt, mm	37.6±24.6
Present with ACS, %	48.4
Both main and side branch treated, %	51.8
Both main and side branch stented, %	23.9

Medina classification



Procedural difference



Reference

Bernard Chevalier, Contemporary bifurcation stenting: Role of deployment technique in a global registry, presented at PCR e-Course 2020.

Presentation on PCRonline

Contact

Link to contact page

Detailed specification
Clinical evidence
Support

Sep_2020