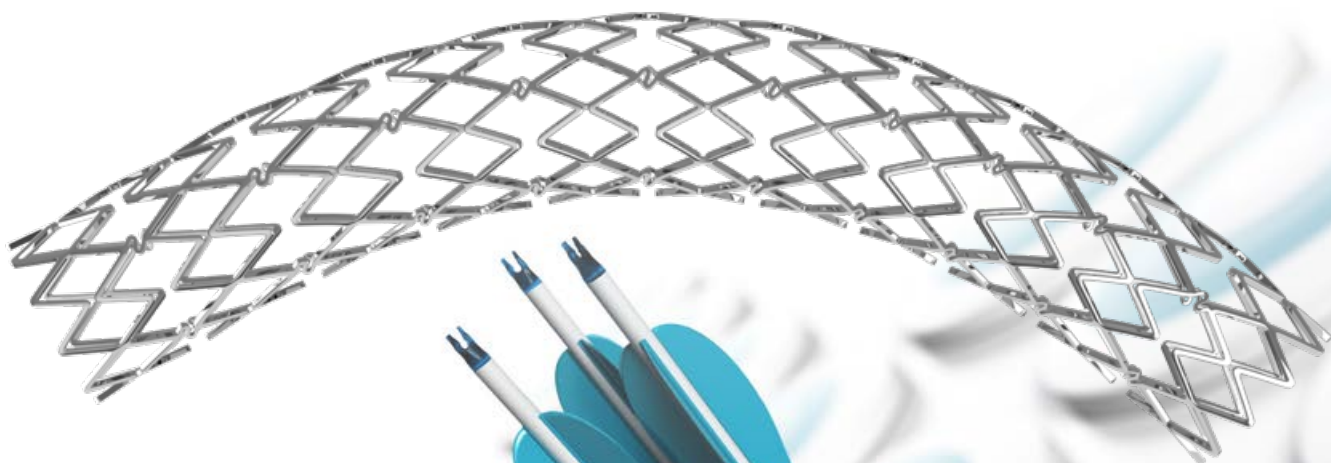


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A Q3 Medical Company

ARTHOS^{Pico}

Stent Delivery System

Cobalt-Chromium with Hydrophilic Coating



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The **ARTHOS^{Pico} Stent System** is a multicellular **Cobalt-Chromium** stent that offers **strength, stability,** and **flexibility** for treating the most difficult lesions.

HIGHLIGHTS

- ◆ **Co-Cr stent** provides strength and stability, while maintaining a high level of flexibility and vessel conformity
- ◆ **Minimal strut thickness** (65 µm) for optimal performance and small vessel stenting
- ◆ **Excellent outward radial force** in a low profile stent

COBALT CHROMIUM

- ◆ **Co-Cr technology** approximately 70 - 80% stronger than stainless steel
- ◆ **Radiopacity** in an ultra thin stent provides excellent visibility
- ◆ **Open cell stent design** and ultra thin struts provide excellent strength while maintaining flexibility

COMPLIANCE TABLE

Pressure (bar)	Balloon Diameter (mm)							
	2	2.25	2.5	2.75	3	3.25	3.5	4
4	1.80	2.10	2.30	2.55	2.75	3.00	3.15	3.70
5	1.84	2.13	2.34	2.59	2.80	3.05	3.22	3.76
6	1.88	2.16	2.38	2.63	2.85	3.10	3.29	3.82
7	1.92	2.19	2.42	2.67	2.90	3.15	3.36	3.88
8	1.96	2.22	2.46	2.71	2.95	3.20	3.43	3.94
9	2.00	2.25	2.50	2.75	3.00	3.25	3.50	4.00
10	2.04	2.28	2.54	2.79	3.05	3.30	3.57	4.06
11	2.08	2.31	2.58	2.83	3.10	3.35	3.64	4.12
12	2.12	2.34	2.62	2.87	3.15	3.40	3.71	4.18
13	2.16	2.37	2.66	2.91	3.20	3.45	3.78	4.24
14	2.20	2.40	2.70	2.95	3.25	3.50	3.85	4.30
15	2.24	2.43	2.74	2.99	3.30	3.55	3.92	4.36
16	2.28	2.46	2.78	3.03	3.35	3.60	3.99	4.42
17	2.32	2.49	2.82	3.07	3.40	3.65	4.06	-
18	2.36	2.52	2.86	3.11	3.45	3.70	4.13	-
Nominal pressure	9	9	9	9	9	9	9	9
RBP	18	18	18	18	18	18	18	16

DELIVERY SYSTEM

- ◆ **Highly flexible** delivery catheter to facilitate navigation of tortuous anatomy
- ◆ **Good pushability** for crossing difficult lesions
- ◆ **Low profile** to access difficult lesions



The CoCr Stent is indicated for patients with coronary heart disease. It is inserted in coronary vessels with a diameter of 2.0 to 4.0 mm. The CoCr Stent is used for the treatment of de-novo and restenotic lesions in coronary arteries and vein-bypass-grafts.

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TECHNICAL SPECIFICATIONS

Stent

Description	CoCr Stent Delivery System
Recommended Guidewire	0.014" (0.36 mm)
Recommended Guiding Catheter	5 F
PTCA Entry Profile	min 0.45 mm (0.017")
Crossover Profile	0.85 mm (0.035")
Nominal Pressure	9 bar
Rated Burst Pressure (RBP)	16-18 bar
Strut Thickness	<ul style="list-style-type: none"> • 65 Micron (0.0026") small stent • 95 Micron (0.0037") large stent
Stent Recoil Values	<ul style="list-style-type: none"> • Mean recoil of CS-large (QM580): < 3% • Mean recoil of CS-small (QM144): < 1.5% • Mean Foreshortening of CS-large (QM580): < 5% • Mean Foreshortening of CS-small (QM144): < 4%
Surface Vessel Ratio	<ul style="list-style-type: none"> • Mean Surface Vessel Ratio (SVR) for CS small stent at a vessel diameter of 2.75 mm over all stent lengths: < 15% • Mean Surface Vessel Ratio (SVR) for CS large stent at a vessel diameter of 4.0 mm over all stent lengths: < 13%

ORDER INFORMATION

Small

Diameter (mm)	Length (mm)							
	8	12	16	19	24	28	34	38
2.00	20 ICS 8 P	20 ICS 12 P	20 ICS 16 P	20 ICS 19 P	20 ICS 24 P	20 ICS 28 P	20 ICS 34 P	20 ICS 38 P
2.25	22 ICS 8 P	22 ICS 12 P	22 ICS 16 P	22 ICS 19 P	22 ICS 24 P	22 ICS 28 P	22 ICS 34 P	22 ICS 38 P
2.50	25 ICS 8 P	25 ICS 12 P	25 ICS 16 P	25 ICS 19 P	25 ICS 24 P	25 ICS 28 P	25 ICS 34 P	25 ICS 38 P
2.75	27 ICS 8 P	27 ICS 12 P	27 ICS 16 P	27 ICS 19 P	27 ICS 24 P	27 ICS 28 P	27 ICS 34 P	27 ICS 38 P

Large

Diameter (mm)	Length (mm)						
	10	14	18	24	28	34	38
3.00	30 ICL 10 P	30 ICL 14 P	30 ICL 18 P	30 ICL 24 P	30 ICL 28 P	30 ICL 34 P	30 ICL 38 P
3.25	32 ICL 10 P	32 ICL 14 P	32 ICL 18 P	32 ICL 24 P	32 ICL 28 P	32 ICL 34 P	32 ICL 38 P
3.50	35 ICL 10 P	35 ICL 14 P	35 ICL 18 P	35 ICL 24 P	35 ICL 28 P	35 ICL 34 P	35 ICL 38 P
4.00	40 ICL 10 P	40 ICL 14 P	40 ICL 18 P	40 ICL 24 P	40 ICL 28 P	40 ICL 34 P	40 ICL 38 P

Clinical Trials

1. Publication in press.
2. PIPA Spanish Registry: Principal Investigator Dr. Eulogio Garcia, Hospital Gregorio Maranon, Madrid.
3. Gyöngyösi M., Zenker G., Wallner H., Heigert M., Siostrzonek P. and Glogar D.: Results of the ARTHOS Pico Austrian Multicenter Registry. Cardiovascular News 2004; Issue 9; 19-20.
4. Lefebvre JM, Fourrier JL, Leroy F: Preliminary results of PIVER (Pico Small Vessel Registry) Cardiology International 2004; Vol. 5 NO.2: 42-44.

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