

# Endeavor

Medtronic Coronary Stent System  
Design For Life™

## Clinical Studies

|                                    |   |
|------------------------------------|---|
| ENDEAVOR I<br>n = 100<br>48 mo     | Single-Arm Trial  |
| ENDEAVOR II<br>n = 1200<br>36 mo   | Double-Blind<br>Randomized Trial<br>vs. Driver                        |
| ENDEAVOR II CA<br>n = 300<br>24 mo | Open-Label<br>Safety Registry   |
| ENDEAVOR III<br>n = 436<br>24 mo   | Single-Blind<br>Randomised Controlled Trials<br>vs. Cypher            |
| ENDEAVOR IV<br>n = 1548            | Single-Blind<br>Randomised Controlled Trials<br>vs. Taxus             |
| e-Five<br>n = 8000                 | Prospective, Multicenter Registry<br>to Evaluate Clinical Performance |
| PROTECT<br>n = 8800                | Prospective, Randomised<br>Multicenter Trial<br>vs. Cypher            |



## Clinical Studies

Endeavor Zotarolimus-Eluting Coronary Stent System

### Contents

|   | Page |
|---|------|
| ENDEAVOR I* .....                               | 2    |
| ENDEAVOR II* .....                              | 4    |
| ENDEAVOR II CA* .....                           | 6    |
| ENDEAVOR III* .....                             | 8    |
| ENDEAVOR IV* .....                              | 10   |
| ENDEAVOR Clinical Program Safety Analysis ..... | 11   |
| e-Five .....                                    | 12   |
| PROTECT .....                                   | 13   |

\* EI-IV data analyzed at the same data coordinating center and by the same core laboratories.

# ENDEAVOR I

## Single-arm trial

**Sample Size:** 100 patients

Endeavor Stent: n = 100 patients

## Single *de novo* native coronary artery lesions (Type A-B2)

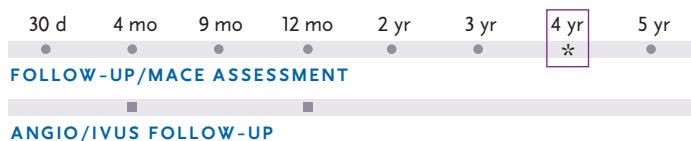
Reference vessel diameter: 3.0–3.5 mm

Lesion length: <15 mm

Stent size: 3.0–3.5 mm x 18 mm

Principal Investigator: **Prof Ian Meredith, MD, PhD, FACC, FRACP**

8 sites: Australia and New Zealand



Primary endpoints: MACE at 30 days and late loss\* (QCA) at 4 months

Antiplatelet therapy for ≥3 months

| Patient Demographics and Lesion Characteristics |  | n = 100  |
|---|--|----------|
| Diabetes mellitus                               |  | 16%      |
| B2/C lesions                                    |  | 49%      |
| Lesion location: LAD                            |  | 43%      |
| Acute Performance Results                       |  | n = 100  |
| Device success                                  |  | 100%     |
| Lesion success                                  |  | 100%     |
| Procedure success                               |  | 100%     |
| Baseline Characteristics                        |  | n = 100  |
| Reference vessel diameter (RVD)                 |  | 2.96 mm  |
| Average lesion length                           |  | 10.94 mm |
| Postprocedure MLD                               |  | n = 100  |
| In-stent MLD                                    |  | 2.84 mm  |
| In-segment MLD                                  |  | 2.52 mm  |

\*Late lumen loss

| Clinical Follow-Up    | n = 99 | n = 99 | n = 98 | n = 97 |
|-----------------------|--------|--------|--------|--------|
|                       | 12 mo  | 24 mo  | 36 mo  | 48 mo  |
| MACE                  | 2%     | 3%     | 6%     | 7%     |
| Death                 | 0%     | 1%     | 3%     | 4%*    |
| MI (all)              | 1%     | 1%     | 1%     | 1%     |
| Q-wave                | 0%     | 0%     | 0%     | 0%     |
| Non-Q-wave            | 1%     | 1%     | 1%     | 1%     |
| TLR                   | 2%     | 2%     | 3%     | 3%     |
| TVF                   | 2%     | 4%     | 5%     | 5%     |
| TVR (non-TL)          | 0%     | 2%     | 2%     | 2%     |
| Thrombosis (all)      | 1%     | 1%     | 1%     | 1%     |
| Late Stent Thrombosis | 0%     | 0%     | 0%     | 0%     |

| Angiographic Follow-Up   | n = 98  | n = 92  |
|--------------------------|---------|---------|
|                          | 4 mo    | 12 mo   |
| Binary restenosis rate   |         |         |
| In-stent                 | 2.0%    | 4.3%    |
| In-segment               | 3.1%    | 5.4%    |
| Minimum luminal diameter |         |         |
| In-stent                 | 2.52 mm | 2.26 mm |
| In-segment               | 2.29 mm | 2.08 mm |
| Late loss                |         |         |
| In-stent                 | 0.32 mm | 0.58 mm |
| In-segment               | 0.22 mm | 0.43 mm |
| % Diameter stenosis      |         |         |
| In-stent                 | 14.4%   | 21.8%   |
| In-segment               | 22.4%   | 28.0%   |

| IVUS Follow-Up               | n = 94 | n = 86 |
|------------------------------|--------|--------|
|                              | 4 mo   | 12 mo  |
| % Late incomplete apposition | 0%     | 0%     |

\*Noncardiac death

# ENDEAVOR II

**Randomised, double-blinded trial**

**Sample Size: 1200 patients**

Endeavor stent: n = 600 patients

Control Driver stent: n = 600 patients

**Single *de novo* native coronary artery lesions (Type A-C)**

Reference vessel diameter: 2.25–3.5 mm

Lesion length: 14–27 mm

Stent size: 2.25–3.5 mm x 18–30 mm (8/9 mm bailout)

Principal Investigators: **Jean Fajadet, MD, Rick Kuntz, MD, MSc**  
**William Wijns, MD, PhD**

72 sites: Europe, Asia Pacific, Israel, Australia and New Zealand



**ANGIO FOLLOW-UP: n = first 600**

**IVUS FOLLOW-UP: n = first 300**

Primary endpoints: TVF (cardiac death, MI, TVR) at 9 months

Antiplatelet therapy for ≥3 months

|  | Endeavor       | Driver         | p Value |
|--|----------------|----------------|---------|
| <b>Patient Demographics and Lesion Characteristics</b> | <b>n = 598</b> | <b>n = 599</b> |         |
| Diabetes mellitus                                      | 18.2%          | 22.2%          | NS      |
| B2/C lesions   | 78.4%          | 79.0%          | NS      |
| Lesion location: LAD                                   | 43.4%          | 47.6%          | NS      |

|                                  |                |                |    |
|----------------------------------|----------------|----------------|----|
| <b>Acute Performance Results</b> | <b>n = 598</b> | <b>n = 599</b> |    |
| Device success                   | 98.8%          | 99.2%          | NS |
| Lesion success                   | 99.7%          | 100.0%         | NS |
| Procedure success                | 97.3%          | 97.1%          | NS |

|                                 |                |                |    |
|---------------------------------|----------------|----------------|----|
| <b>Baseline Characteristics</b> | <b>n = 598</b> | <b>n = 599</b> |    |
| Reference vessel diameter (RVD) | 2.73 mm        | 2.76 mm        | NS |
| Average lesion length           | 14.04 mm       | 14.38 mm       | NS |

|                          |                |                |    |
|--------------------------|----------------|----------------|----|
| <b>Postprocedure MLD</b> | <b>n = 598</b> | <b>n = 599</b> |    |
| In-stent MLD             | 2.59 mm        | 2.61 mm        | NS |
| In-segment MLD           | 2.21 mm        | 2.24 mm        | NS |

|                                  |                |                |        |
|----------------------------------|----------------|----------------|--------|
| <b>Clinical Follow-up (9 mo)</b> | <b>n = 592</b> | <b>n = 591</b> |        |
| MACE                             | 7.3%           | 14.4%          | <0.001 |
| Death                            | 1.2%*          | 0.5%           | NS     |
| MI (all)                         | 2.7%           | 3.9%           | NS     |
| Q-wave                           | 0.3%           | 0.8%           | NS     |
| Non-Q-wave                       | 2.4%           | 3.0%           | NS     |
| TLR                              | 4.6%           | 11.8%          | <0.001 |
| TVF                              | 7.9%           | 15.1%          | <0.001 |
| TVR (non-TL)                     | 1.5%           | 2.2%           | NS     |
| Thrombosis (all)                 | 0.5%           | 1.2%           | NS     |
| Late stent thrombosis            | 0.0%           | 0.0%           | NS     |

|                               | Endeavor | Driver  | p Value |
|-------------------------------|----------|---------|---------|
| Clinical Follow-Up (12 mo)    | n = 590  | n = 589 |         |
| MACE                          | 8.8%     | 15.6%   | <0.001  |
| Death                         | 1.4%*    | 0.7%    | NS      |
| MI (all)                      | 2.7%     | 3.9%    | NS      |
| Q-wave                        | 0.3%     | 0.8%    | NS      |
| Non-Q-wave                    | 2.4%     | 3.1%    | NS      |
| TLR                           | 5.9%     | 13.1%   | <0.001  |
| TVF                           | 10.0%    | 16.6%   | <0.001  |
| TVR (non-TL)                  | 2.0%     | 2.5%    | NS      |
| Thrombosis (all)              | 0.5%     | 1.2%    | NS      |
| Late stent thrombosis         | 0%       | 0%      | NS      |
| Clinical Follow-Up (24 mo)    | n = 587  | n = 586 |         |
| MACE                          | 9.9%     | 18.1%   | <0.001  |
| Death                         | 2.0%     | 2.2%    | NS      |
| MI (all)                      | 2.9%     | 3.9%    | NS      |
| Q-wave                        | 0.3%     | 0.9%    | NS      |
| Non-Q-wave                    | 2.6%     | 3.1%    | NS      |
| TLR                           | 6.5%     | 14.2%   | <0.001  |
| TVF                           | 11.1%    | 20.0%   | <0.001  |
| TVR (non-TL)                  | 2.4%     | 4.1%    | NS      |
| Thrombosis (all)              | 0.5%     | 1.2%    | NS      |
| Late stent thrombosis         | 0.0%     | 0.0%    | NS      |
| Clinical Follow-Up (36 mo)    | n = 577  | n = 579 |         |
| MACE                          | 12.0%    | 20.7%   | <0.001  |
| Death                         | 3.3%     | 4.5%    | NS      |
| MI (all)                      | 3.3%     | 4.3%    | NS      |
| Q-wave                        | 0.3%     | 1.0%    | NS      |
| Non-Q-wave                    | 2.9%     | 3.3%    | NS      |
| TLR                           | 7.3%     | 14.7%   | <0.001  |
| TVF                           | 12.8%    | 21.4%   | <0.001  |
| TVR (non-TL)                  | 2.9%     | 4.8%    | NS      |
| Thrombosis (all)              | 0.5%     | 1.2%    | NS      |
| Late stent thrombosis         | 0.0%     | 0.0%    |         |
| Angiographic Follow-Up (8 mo) | n = 264  | n = 265 |         |
| Binary restenosis rate        |          |         |         |
| In-stent                      | 9.5%     | 33.2%   | <0.001  |
| In-segment                    | 13.3%    | 34.7%   | <0.001  |
| Minimum luminal diameter      |          |         |         |
| In-stent                      | 1.99 mm  | 1.62 mm | <0.001  |
| In-segment                    | 1.86 mm  | 1.56 mm | <0.001  |
| Late loss                     |          |         |         |
| In-stent                      | 0.62 mm  | 1.03 mm | <0.001  |
| In-segment                    | 0.36 mm  | 0.72 mm | <0.001  |
| % Diameter stenosis           |          |         |         |
| In-stent                      | 27.9%    | 42.2%   | <0.001  |
| In-segment                    | 32.7%    | 44.3%   | <0.001  |
| IVUS Follow-Up (8 mo)         | n = 114  | n = 104 |         |
| % Late incomplete apposition  | 0%       | 0%      | NS      |

# ENDEAVOR II CA

**Single-arm, multicenter registry**

**Sample Size: 300 patients**

Endeavor Stent: n = 300 patients

**Single *de novo* native coronary artery lesions**

Reference vessel diameter: 2.25–3.5 mm

Lesion length: 14–27 mm

Stent diameters: 2.25–3.5 mm

Stent lengths: 18–30 mm (8/9 mm bailout)

Direct stenting for lesions ≤20 mm per investigator discretion

Principal Investigators: **Jean Fajadet, MD, William Wijns, MD, PhD**

Study: 15 sites Europe



**ANGIO FOLLOW-UP:** n = first 150 patients

**IVUS FOLLOW-UP:** n = first 100 patients and for patients receiving >1 stent

Primary endpoint: MACE at 30 days

Antiplatelet therapy for ≥3 months

| Patient Demographics and Lesion Characteristics |          |
|---|----------|
| Diabetes mellitus                               | 25.8%    |
| B2/C lesions                                    | 74.4%    |
| Lesion location: LAD                            | 50.5%    |
| Acute Performance Results n = 297               |          |
| Device success                                  | 98.3%    |
| Lesion success                                  | 99.7%    |
| Procedure success                               | 94.9%    |
| Baseline Characteristics n = 297                |          |
| Reference vessel diameter (RVD)                 | 2.63 mm  |
| Average lesion length                           | 16.49 mm |
| Postprocedure MLD n = 297                       |          |
| In-stent MLD                                    | 2.56 mm  |
| In-segment MLD                                  | 2.24 mm  |
| Clinical Follow-up (9 mo) n = 293               |          |
| MACE  | 10.6%    |
| Death   | 0.7%     |
| MI (all)  | 5.1%     |
| Q-wave  | 0.3%     |
| Non-Q-wave                                      | 4.8%     |
| TLR   | 5.1%     |
| Emergent CABG                                   | 0.3%     |
| TVF   | 13.0%    |
| TVR (non-TL)                                    | 4.1%     |
| Thrombosis (all)                                | 0.0%     |
| Late stent thrombosis                           | 0.0%     |



| <b>Clinical Follow-Up (12 mo)</b>    |  | <b>n = 292</b> |
|--------------------------------------|--|----------------|
| MACE                                 |  | 12.3%          |
| Death                                |  | 0.7%           |
| MI (all)                             |  | 5.5%           |
| Q-wave                               |  | 0.3%           |
| Non-Q-wave                           |  | 5.1%           |
| TLR                                  |  | 6.5%           |
| Emergent CABG                        |  | 0.3%           |
| TVF                                  |  | 15.8%          |
| TVR (non-TL)                         |  | 5.8%           |
| Thrombosis (all)                     |  | 0.0%           |
| Late stent thrombosis                |  | 0.0%           |
| <b>Clinical Follow-Up (24 mo)</b>    |  | <b>n = 288</b> |
| MACE                                 |  | 12.8%          |
| Death                                |  | 1.4%           |
| MI (all)                             |  | 5.9%           |
| Q-wave                               |  | 0.3%           |
| Non-Q-wave                           |  | 5.6%           |
| TLR                                  |  | 7.3%           |
| Emergent CABG                        |  | 0.3%           |
| TVF                                  |  | 16.3%          |
| TVR (non-TL)                         |  | 5.9%           |
| Thrombosis (all)                     |  | 0.0%           |
| Late stent thrombosis                |  | 0.0%           |
| <b>Angiographic Follow-Up (8 mo)</b> |  | <b>n = 117</b> |
| Binary restenosis rate               |  |                |
| In-stent                             |  | 15.4%          |
| In-segment                           |  | 17.1%          |
| Minimum luminal diameter             |  |                |
| In-stent                             |  | 1.92 mm        |
| In-segment                           |  | 1.81 mm        |
| Late loss                            |  |                |
| In-stent                             |  | 0.58 mm        |
| In-segment                           |  | 0.39 mm        |
| % Diameter stenosis                  |  |                |
| In-stent                             |  | 27.7%          |
| In-segment                           |  | 31.9%          |
| <b>IVUS Follow-up (8 mo)</b>         |  | <b>n = 42</b>  |
| % Late incomplete apposition         |  | 0.0%           |

# ENDEAVOR III

Randomised, single-blinded, prospective trial

Sample Size: 436 patients

Endeavor Stent: n = 327 patients

Control Cypher Stent: n = 109 patients

Single *de novo* native coronary artery lesions

Reference Vessel Diameter: 2.5–3.5 mm

Lesion Length: 14–27 mm

Stent Size: 2.5–3.5 mm x 18–30 mm (8/9 mm bailout)

Principal Investigator: **Martin B. Leon, MD**

29 sites: US



**FOLLOW-UP/MACE ASSESSMENT**

**ANGIO/IVUS FOLLOW-UP**

Primary endpoints: In-segment late lumen loss by QCA at 8 months

Antiplatelet therapy for ≥3 months

|  | Endeavor | Cypher   | p Value |
|--|----------|----------|---------|
| <b>Patient Demographics and Lesion Characteristics</b> |          |          |         |
|  | n = 323  | n = 113  |         |
| Male gender  | 65.3%    | 81.4%    | 0.001   |
| Diabetes mellitus                                      | 29.7%    | 28.3%    | NS      |
| B2/C lesions   | 67.2%    | 56.6%    | NS      |
| Lesions location: LAD                                  | 41.2%    | 39.8%    | NS      |
| <b>Baseline Characteristics</b>                        |          |          |         |
|  | n = 323  | n = 113  |         |
| Reference vessel diameter (RVD)                        | 2.75 mm  | 2.79 mm  | NS      |
| Average lesion length                                  | 14.96 mm | 14.95 mm | NS      |
| <b>Postprocedure MLD</b>                               |          |          |         |
|  | n = 323  | n = 113  |         |
| In-stent MLD   | 2.67 mm  | 2.67 mm  | NS      |
| In-segment MLD   | 2.27 mm  | 2.28 mm  | NS      |
| <b>Acute Performance Results</b>                       |          |          |         |
|  | n = 323  | n = 113  |         |
| Device success   | 98.8%    | 94.7%    | 0.02    |
| Lesion success   | 100.0%   | 99.1%    | NS      |
| Procedure success                                      | 99.4%    | 95.6%    | 0.02    |
| <b>Clinical Follow-up (30 day)</b>                     |          |          |         |
|  | n = 323  | n = 113  |         |
| MACE   | 0.6%     | 3.5%     | 0.04    |
| Death  | 0.0%     | 0.0%     | NS      |
| MI (all)   |          |          |         |
| Q-wave   | 0.0%     | 0.0%     | NS      |
| Non-Q-wave   | 0.6%     | 3.5%     | 0.04    |
| TLR  | 0.0%     | 0.0%     | NS      |
| TVF  | 0.6%     | 4.4%     | 0.01    |
| TVR (non-TL)   | 0.0%     | 0.9%     | NS      |
| Thrombosis (all)                                       | 0.0%     | 0.0%     | NS      |
| Late stent thrombosis                                  | 0.0%     | 0.0%     | NS      |

|                                      | Endeavor         | Cypher         | p Value |
|--------------------------------------|------------------|----------------|---------|
| <b>Clinical Follow-up (9 mo)</b>     | <b>n = 321</b>   | <b>n = 113</b> |         |
| MACE                                 | 7.5%             | 7.1%           | NS      |
| Death                                | 0.6%*            | 0.0%           | NS      |
| MI (all)                             | 0.6%             | 3.5%           | 0.04    |
| Q-wave                               | 0.0%             | 0.0%           | NS      |
| Non-Q-wave                           | 0.6%             | 3.5%           | 0.04    |
| TLR                                  | 6.2%             | 3.5%           | NS      |
| TVF                                  | 11.8%            | 11.5%          | NS      |
| TVR (non-TL)                         | 5.9%             | 5.3%           | NS      |
| Thrombosis (all)                     | 0.0%             | 0.0%           | NS      |
| Late stent thrombosis                | 0.0%             | 0.0%           | NS      |
| <b>Clinical Follow-Up (12 mo)</b>    | <b>n = 320</b>   | <b>n = 112</b> |         |
| MACE                                 | 7.8%             | 8.0%           | NS      |
| Death                                | 0.6%*            | 0.9%           | NS      |
| MI (all)                             | 0.6%             | 3.6%           | 0.04    |
| Q-wave                               | 0.0%             | 0.0%           | NS      |
| Non-Q-wave                           | 0.6%             | 3.6%           | 0.04    |
| TLR                                  | 6.6%             | 3.6%           | NS      |
| TVF                                  | 12.8%            | 11.6%          | NS      |
| TVR (non-TL)                         | 6.6%             | 5.4%           | NS      |
| Thrombosis (all)                     | 0.0%             | 0.0%           | NS      |
| Late stent thrombosis                | 0.0%             | 0.0%           | NS      |
| <b>Clinical Follow-Up (24 mo)</b>    | <b>n = 313</b>   | <b>n = 112</b> |         |
| MACE                                 | 9.3%             | 11.6%          | NS      |
| Death                                | 1.6%*            | 4.5%           | NS      |
| MI (all)                             | 0.6%             | 3.6%           | 0.04    |
| Q-wave                               | 0.0%             | 0.0%           | NS      |
| Non-Q-wave                           | 0.6%             | 3.6%           | 0.04    |
| TLR                                  | 7.0%             | 4.5%           | NS      |
| TVF                                  | 14.4%            | 13.4%          | NS      |
| TVR (non-TL)                         | 8.3%             | 6.3%           | NS      |
| Thrombosis (all)                     | 0.0%             | 0.0%           |         |
| Late stent thrombosis                | 0.0%             | 0.0%           |         |
| <b>Angiographic Follow-Up (8 mo)</b> | <b>n = 277</b>   | <b>n = 94</b>  |         |
| Binary restenosis rate               |                  |                |         |
| In-stent                             | 9.7%             | 2.1%           | 0.01    |
| In-segment                           | 12.3%            | 4.3%           | 0.03    |
| Minimum luminal diameter             |                  |                |         |
| In-stent                             | 2.06 mm          | 2.52 mm        | <0.001  |
| In-segment                           | 1.91 mm          | 2.16 mm        | <0.001  |
| Late loss                            |                  |                |         |
| In-stent                             | 0.62 mm          | 0.15 mm        | <0.001  |
| In-segment                           | 0.36 mm          | 0.13 mm        | <0.001  |
| Diameter stenosis %                  |                  |                |         |
| In-stent                             | 24.9%            | 11.0%          | <0.001  |
| In-segment                           | 30.4%            | 23.9%          | <0.001  |
| <b>IVUS Follow-Up (8 mo)</b>         | <b>n = 189</b>   | <b>n = 68</b>  |         |
| Late incomplete apposition %         | 0.5 <sup>†</sup> | 5.9            | 0.02    |

\*Noncardiac deaths (lung cancer, cerebral hemorrhage)

<sup>†</sup>Thrombus at baseline, resolved during follow-up. No aneurysmal remodeling.

# ENDEAVOR IV

Randomised, single-blinded, prospective trial

Sample size: 1548 patients

Endeavor stent: n = 774 patients

Control Taxus stent: n = 774 patients

Single *de novo* native coronary artery lesions (Type A–C)

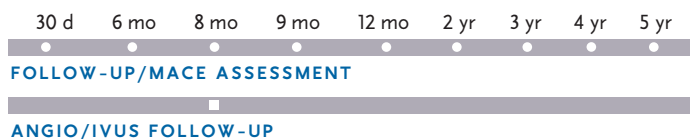
Reference vessel diameter: 2.5–3.5 mm

Lesion length: ≤27 mm

Stent size: 2.5–3.5 mm x 18–30 mm (8/9 mm bailout)

Principal Investigator: **Martin B. Leon, MD**

Up to 80 sites: US



Primary endpoints: TVF at 9 months

Antiplatelet therapy for ≥6 months

# ENDEAVOR

## CLINICAL PROGRAM SAFETY ANALYSIS

Out to 3 yrs (KM estimate) under ARC (Academic Research Consortium)

| Thrombosis      | Endeavor<br>n = 1316            | Driver<br>n = 596               |
|-----------------|---------------------------------|---------------------------------|
| Early (any)     | 4 [0.30%]                       | 7 [1.18%]                       |
| Definite        | 4                               | 7                               |
| Probable        | 0                               | 0                               |
| Late (any)      | 6 [0.46%]                       | 4 [0.68%]                       |
| Definite        | 2                               | 1                               |
| Probable        | 0                               | 0                               |
| Possible        | 4                               | 3                               |
| Very Late (any) | 2 [0.16%]                       | 5 [0.88%]                       |
| Definite        | 0                               | 0                               |
| Probable        | 1                               | 1                               |
| Possible        | 1                               | 4                               |
| Totals          | 12 [0.92%]<br>(CI 0.40%, 1.45%) | 16 [2.74%]<br>(CI 1.42%, 4.07%) |

CI = Confidence Interval

# e-Five

**Prospective, multicenter registry**

**Sample Size: 8000 patients**

Endeavor stent: n = 8000 patients

**All-comers, single and multiple coronary artery lesions**

Stent diameters: 2.25–4.0 mm

Stent lengths: 8/9–30 mm

**Principal Investigators: Chaim Lotan, MD, Prof Ian Meredith, MD, PhD, FACC, FRACP, Martin Rothman, MD**

200 sites: Asia Pacific, Europe, Israel, New Zealand, South America



Primary endpoints: MACE at 12 months

Antiplatelet therapy for ≥3 months

| Patient Demographics | n = 2015   |
|----------------------|------------|
| Male gender          | 76.6%      |
| Age (years)          | 63.0 ±11.5 |
| Prior MI             |            |
| Non-Q-wave           | 12.4%      |
| Q-wave               | 25.0%      |
| Prior PCI            | 24.0%      |
| Prior CABG           | 6.7%       |
| Diabetes mellitus    | 35.2%      |
| Recent MI            | 21.8%      |
| Unstable angina      | 31.5%      |
| B2/C lesions         | 59.9%      |
| Bifurcation lesions  | 15.7%      |

| Procedure Characteristics | n = 2458   |
|---------------------------|------------|
| Total stent length (mm)   | 23.4 ±12.0 |
| Stent: lesion length      | 1.4 ±0.5   |
| Long lesions (>16 mm)     | 45.2%      |
| Stent diameter (mm)       |            |
| 2.25                      | 6.0%       |
| 2.5                       | 21.4%      |
| 2.75                      | 16.2%      |
| 3.0                       | 34.9%      |
| >3.0                      | 21.4%      |

| Clinical Follow-Up (30 days) | All n = 1982 | Diabetic n = 698 | Bifurcation n = 344 | Recent MI n = 432 |
|------------------------------|--------------|------------------|---------------------|-------------------|
| MACE                         | 1.7%         | 2.6%             | 2.6%                | 3.2%              |
| Death                        | 0.9%         | 1.4%             | 1.5%                | 2.1%              |
| MI (all)                     |              |                  |                     |                   |
| Q-wave                       | 0.2%         | 0.6%             | 0.3%                | 0.0%              |
| Non-Q-wave                   | 0.6%         | 0.7%             | 1.2%                | 1.2%              |
| TLR                          | 0.4%         | 0.9%             | 0.6%                | 0.7%              |
| Emergent CABG                | 0.0%         | 0.0%             | 0.0%                | 0.0%              |
| TVF                          | 1.7%         | 2.4%             | 2.6%                | 3.0%              |

# PROTECT

**Prospective, multicenter, randomised, open-label trial**

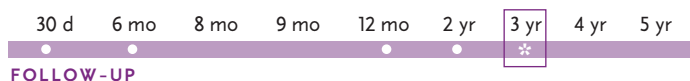
**Sample Size: 8800 patients**

Endeavor Stent: n = 4400 patients

Cypher Stent: n = 4400 patients

**All-comers, single and multiple coronary artery lesions**

Principal Investigators: Edoardo Camenzind, MD (Switzerland),  
William O'Neill, MD (USA), Prof Patrick Serruys  
(Netherlands), Prof Philippe Gabriel Steg (France),  
William Wijns, MD, PhD (Belgium)



Primary endpoint: Overall stent thrombosis rate at 3 years, defined as definite and probably according to the ARC definition

Main secondary endpoint: Composite endpoint of total death and number of patients with nonfatal myocardial infarctions at 3 years

**Medtronic CardioVascular**  
3576 Unocal Place  
Santa rosa, CA 95403  
USA  
Telephone: +1.707.525.0111  
[www.Medtronic.com](http://www.Medtronic.com)

**Medtronic BV**  
Earl Bakkenstraat 10  
6422 PJ Heerlen  
The Netherlands  
Telephone: +31.45.566.8000  
FAX: +31.45.566.8668

For distribution in markets only where Endeavor has been approved. Not for distribution in the United States or Japan.  
© 2007 Medtronic, Inc. All Rights Reserved. Printed in the EU. UC200601277fEE 6/07



**Medtronic**

*Alleviating Pain • Restoring Health • Extending Life*