

The SYNTAX Study: A Surgeon's Point of View

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September 1, 2008

No disclosures

The SYNTAX Study

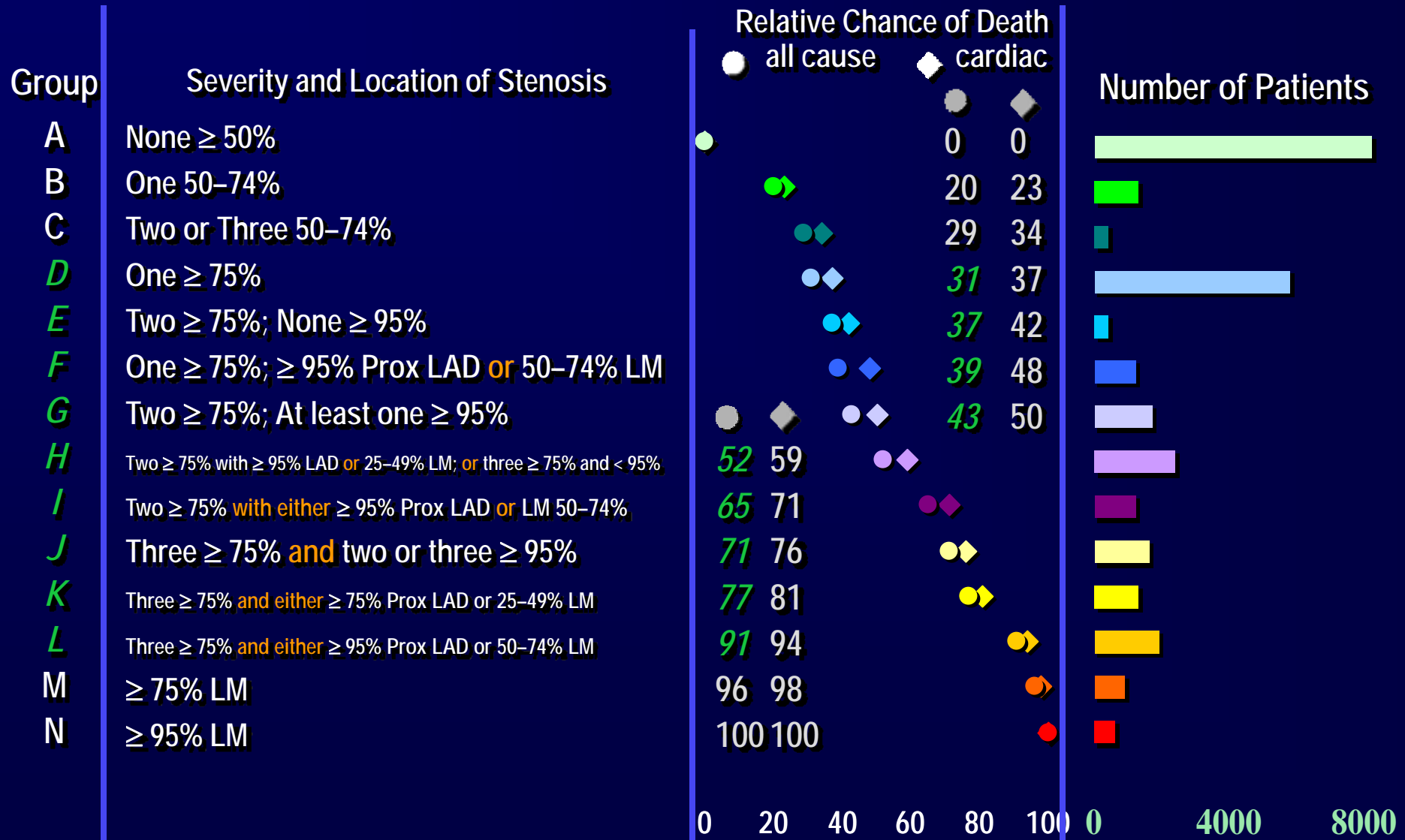
Strengths:

- Inclusive design
- Clinical judgment dominated patient selection
- Goal to match patient to procedure
- High-quality patient care
- Coronary complexity score

Limitations:

- Only 34% left main
- 11.2% left main PCI
- Wide standard deviation of SYNTAX score
- Long hospitalization for CABG and PCI
- Low complete revascularization
- One-year follow-up

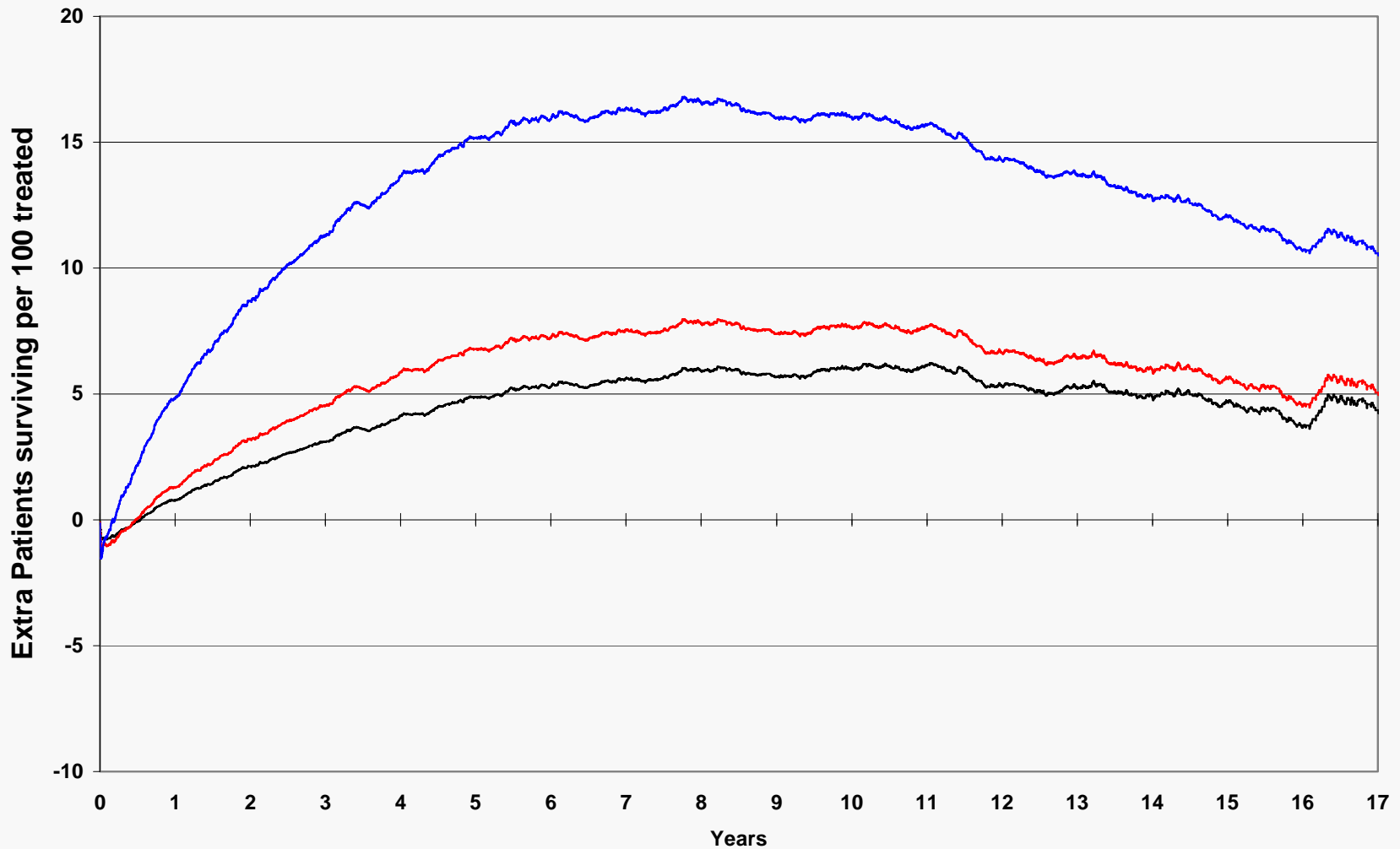
Influence of Severity and Location of Stenosis on Death in 29,082 Patients Catheterized for CAD at Duke Between 1986–2000 and Treated Without Revascularization



Severity of CAD

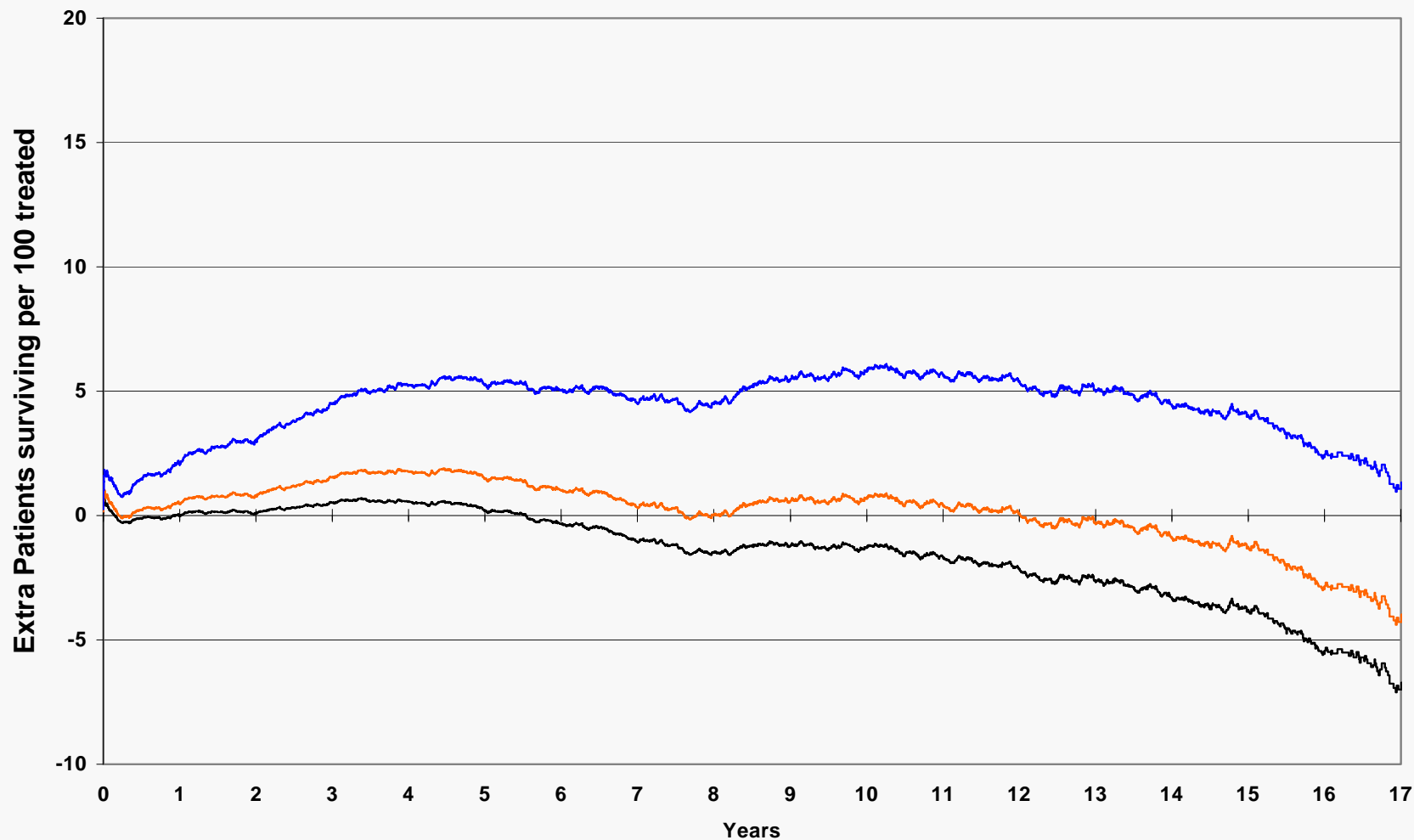
CAD Index	CAD Severity Group	Severity and Location of Stenosis
1	Low	One vessel $\geq 75\%$
2	Low	Two vessels $\geq 75\%$; None $\geq 95\%$
3	Intermediate	One vessel $\geq 75\%$; $\geq 95\%$ Proximal LAD <u>or</u> 50-74% LM
4	Intermediate	Two vessels $\geq 75\%$; at least one $\geq 95\%$
5	Intermediate	Two vessels $\geq 75\%$ with $\geq 95\%$ LAD <u>or</u> 25-49% LM <u>or</u> three vessels $\geq 75\%$ and $< 95\%$
6	Intermediate	Two vessels $\geq 75\%$ <u>with either</u> $\geq 95\%$ Proximal LAD <u>or</u> LM 50-74%
7	High	Three vessels $\geq 75\%$ <u>and</u> two or three vessels $\geq 95\%$
8	High	Three vessels $\geq 75\%$ <u>and either</u> $\geq 75\%$ Proximal LAD or 25-49% LM
9	High	Three vessels $\geq 75\%$ <u>and either</u> $\geq 95\%$ Proximal LAD or 50-74% LM

Survival Benefit for Revascularization vs MED by CAD Severity 1986-2000



— Low Severity CAD — Intermediate Severity CAD — High Severity CAD

Survival Benefit for CABG vs PCI by CAD Severity 1986-2000



— Low Severity CAD — Intermediate Severity CAD — High Severity CAD