

# Introduction Prof Gary L Grunkemeier

Ewout Steyerberg,  
Leiden University Medical Center





## Gary Grunkemeier

Research Director at Providence Health and Services

United States

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Profile

Research (280)

Stats

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### About Gary

#### Disciplines

Statistics · Cardiothoracic Surgery · Cardiology

#### Skills and expertise

Aortic Valve · Coronary Artery Bypass · Cardiac Surgery · Thoracic Surgery

# Prof Gary L Grunkemeier

- Cardiac surgeon and researcher
- Significant contributions to the development of objective performance criteria (OPC) for prosthetic heart valves.
- His work has helped to establish a framework for evaluating the clinical performance of prosthetic heart valves, leading to improved patient outcomes.

# Original ChatGPT

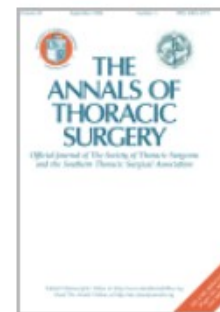
- Dr. Gary L. Grunkemeier is a renowned cardiac surgeon and researcher who has made significant contributions to the development of objective performance criteria (OPC) for prosthetic heart valves.
- He received his medical degree from the University of Nebraska in 1965 and went on to complete his residency in general and cardiothoracic surgery at the University of Utah. He subsequently served as a professor of surgery at the Oregon Health Sciences University, where he founded the Grunkemeier Cardiac Surgery Research Laboratory.
- Dr. Grunkemeier's research has focused on the development and evaluation of prosthetic heart valves, with a particular emphasis on the use of objective performance criteria to assess their safety and effectiveness. He has authored or co-authored numerous articles on this topic, including guidelines for reporting mortality and morbidity after cardiac valve interventions and proposals for reporting thrombosis, embolism, and bleeding after heart valve replacement.
- In addition to his research, Dr. Grunkemeier has also been active in professional organizations, serving as the president of the American Association for Thoracic Surgery and receiving numerous awards and honors for his contributions to the field of cardiac surgery.
- Overall, Dr. Grunkemeier's work has helped to establish a framework for evaluating the clinical performance of prosthetic heart valves and has important implications for improving patient outcomes and advancing the field of cardiac surgery.



ELSEVIER

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The statistician's page

## Prosthetic Heart Valves: Objective Performance Criteria Versus Randomized Clinical Trial

Gary L. Grunkemeier PhD, Ruyun Jin MD  , Albert Starr MD



## 1 [Prognosis after aortic valve replacement with the Carpentier-Edwards pericardial valve: use of microsimulation.](#)

Cite

Puvimanasinghe JP, Takkenberg JJ, Eijkemans MJ, **Steyerberg EW**, van Herwerden LA, **Grunkemeier GL**, Habbema JD, Bogers AJ.

Share

Ann Thorac Surg. 2005 Sep;80(3):825-31. doi: 10.1016/j.athoracsur.2005.03.064.  
PMID: 16122436    Review.



## 2 [Comparison of outcomes after aortic valve replacement with a mechanical valve or a bioprosthesis using microsimulation.](#)

Cite

Puvimanasinghe JP, Takkenberg JJ, Edwards MB, Eijkemans MJ, **Steyerberg EW**, Van Herwerden LA, Taylor KM, **Grunkemeier GL**, Habbema JD, Bogers AJ.

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Heart. 2004 Oct;90(10):1172-8. doi: 10.1136/hrt.2003.013102.  
PMID: 15367517    **Free PMC article.**



## 3 [Choice of a mechanical valve or a bioprosthesis for AVR: does CABG matter?](#)

Cite

Puvimanasinghe JP, Takkenberg JJ, Eijkemans MJ, **Steyerberg EW**, van Herwerden LA, **Grunkemeier GL**, Habbema JD, Bogers AJ.

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Eur J Cardiothorac Surg. 2003 May;23(5):688-95; discussion 695. doi: 10.1016/s1010-7940(03)00085-x.  
PMID: 12754019    Review.



## 4 [Estimated event-free life expectancy after autograft aortic root replacement in adults.](#)

Cite

Takkenberg JJ, Eijkemans MJ, van Herwerden LA, **Steyerberg EW**, **Grunkemeier GL**, Habbema JD, Bogers AJ.

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Ann Thorac Surg. 2001 May;71(5 Suppl):S344-8. doi: 10.1016/s0003-4975(01)02559-0.