



MECHANICAL CIRCULATORY SUPPORT PROGRAM NEW YORK-PRESBYTERIAN HOSPITAL

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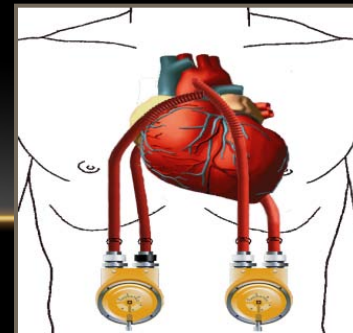
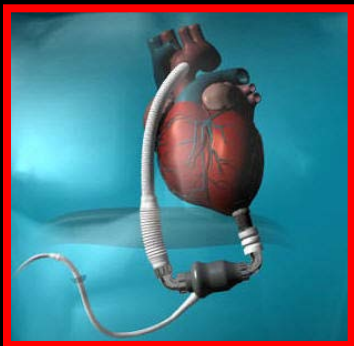
Assistant Clinical Professor of Nursing

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What Are Ventricular Assist Devices?

- Mechanical circulatory support devices
- Supplements pumping capability of the left/right ventricle
- Commonly referred to as VAD, LVAD, BIVAD or TAH



MECHANICAL CIRCULATORY SUPPORT PROGRAM OVERVIEW

- Is one of the nation's foremost assist device programs
 - Led by Yoshifumi Naka, MD, PhD, Evelyn Horn, MD and Dr. Ulrich Jorde MD & VAD NP Coordinators
 - Founded at New York-Presbyterian/Columbia in 1990
 - The Bi-Campus program offers the following therapies:
 - Destination Therapy
 - Bridge to Transplant
 - Acute Support
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MECHANICAL CIRCULATORY ASSIST PROGRAM



Mission

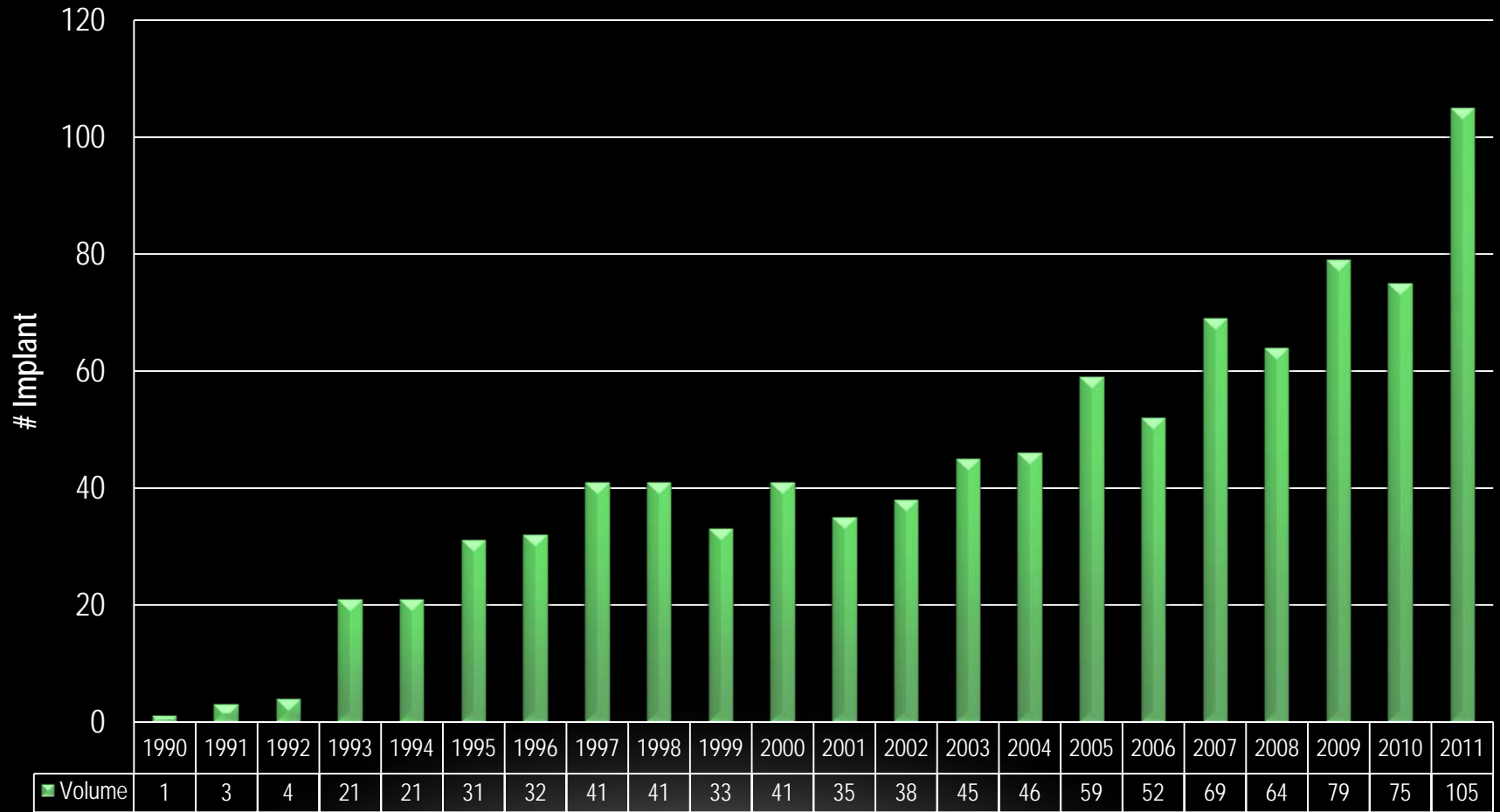
Maintain our leadership position in mechanical circulatory support for patients with heart failure by combining innovative surgical technologies, research and outstanding clinical quality care

Extend the quality of life for end stage heart failure patients

MECHANICAL CIRCULATORY ASSIST PROGRAM

- Since the conception of the VAD program it had been managed by surgical teams
- For the past 4 years, the program has developed into a integrated care model involving surgeons, cardiologists, critical care physicians and nurse practitioners
- Our program has seen an explosive growth of 25 implants annually to 100 annually over the past 4 years
- In 1990 – 1 CNS Practitioner and 2 Surgeons managed the program
- In 1996 – 1 NP added to the team
- Today there are 6 NPs, 2 Surgeons, 1 VAD Surgical Fellow, 1 VAD Medical Director, along with other staff members
- VAD Nurse Practitioners have been vital to the success of this program.

NEW YORK PRESBYTERIAN HOSPITAL VOLUME

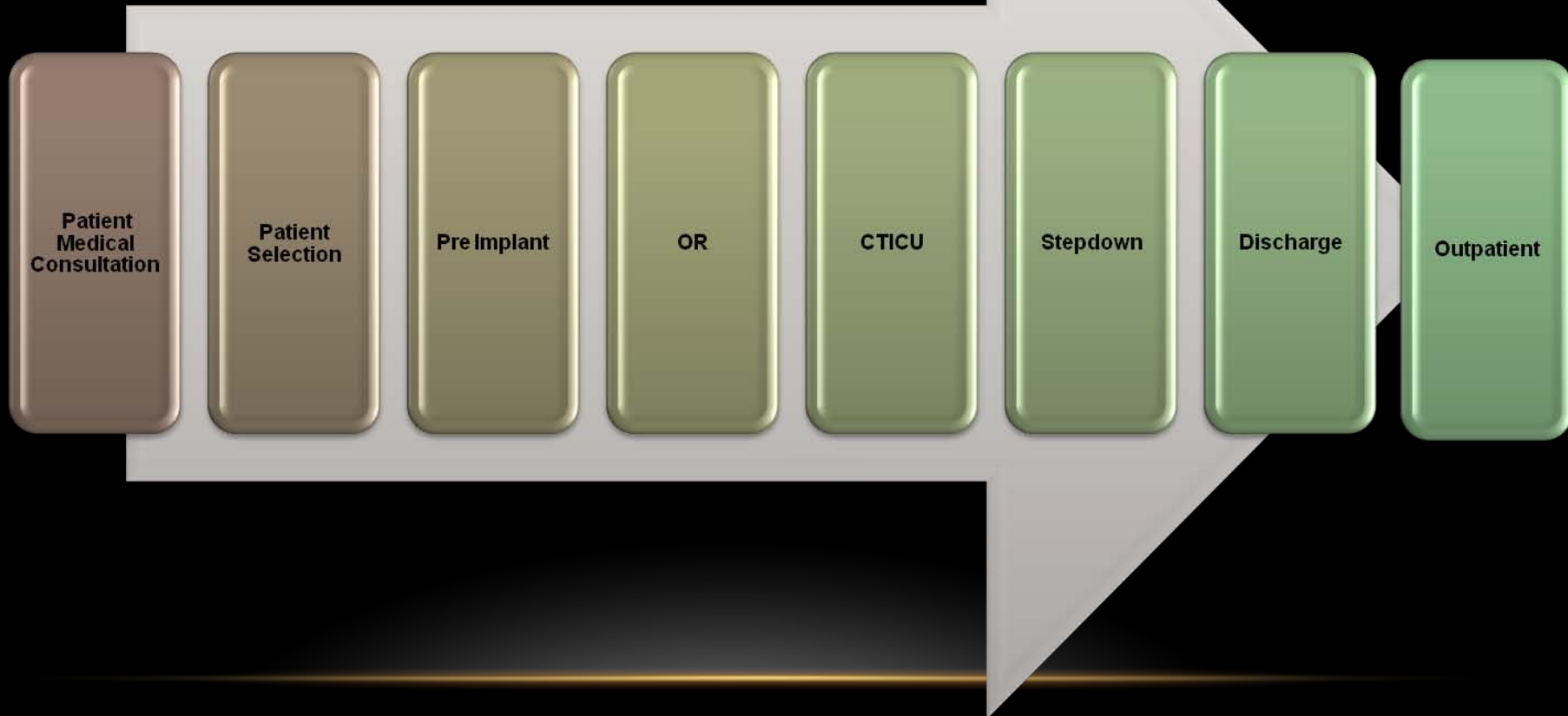


CLINICAL CARE: A MULTIDISCIPLINARY APPROACH

DAILY CLINICAL ROUNDS, WEEKLY MULTIDISCIPLINARY TEAM MEETINGS
AND MONTHLY QUALITY MEETINGS



CLINICAL CARE: PATIENT FLOW



FUTURE OF THE VAD PROGRAM

- Creation of “Interdisciplinary Unit” for VAD patients as an overall model of care for critically ill cardiac patients.
- This unit would be staffed by Nurse Practitioners and Physical Assistants
- Development of care algorithms and decision making pathways
- Integrating Medical and Palliative care in VAD management
- Educating NP/MDs in VAD management in the Shared care model
- Major challenge will be to meet staff demand for the expected 50,000 VAD implants in the United States by 2020