



SEARCH:



JOHNS HOPKINS HOSPITAL

- ▶ PATIENTS and GUESTS
- ▶ INTERNATIONAL PATIENTS
- ▶ OUT OF STATE PATIENTS
- ▶ NEWSROOM
- ▶ BOOKS and RESOURCES
- ▶ EMPLOYMENT OPPORTUNITIES



Welcome to The Johns Hopkins Hospital and Health System

From the moment you arrive at Hopkins, you become part of a long tradition of distinguished health care. Since our doors opened over a century ago, our mission has been excellence. We strive to lead the world in the diagnosis and treatment of disease and to train tomorrow's great physicians, nurses, and scientists. Above all, we aim to provide the highest quality health care and service to all of our patients.

We know that good care involves more than good medicine. That's why our concern for you extends to every part of your stay. Whether you're visiting The Johns Hopkins Hospital, Bayview Medical Center or one of our community locations we want your experience at Johns Hopkins to be as pleasant and as comfortable as possible.

[Our Mission](#)

Health System Locations

- Select A Link -

Health Information

- Select A Link -

Clinical Programs

- Select A Link -



Visiting The Johns Hopkins Hospital?

- [Maps and Directions](#)
- [Information for Patients and Guests](#)



- 165 Full time faculty
- >10,000 admissions 2005-2006
- 15 Pediatric Specialties
- \$90 million in NIH Research Funds in 2006

A screenshot of the U.S. News & World Report website. The header shows the logo and the date "Wednesday, October 24, 2007". Below the header is a navigation bar with links for "Nation & World", "Health", "Money & Business", "Education", "Opinion", "Photos & Video", and "Rank". The main content area is titled "Best Hospitals" and includes a breadcrumb trail: "Home > Health > Best Hospitals". On the left is a vertical menu under "Health" with categories like "Diseases & Conditions", "A-Z Directory", "Allergy & Asthma", "Bones, Joints & Muscles", "Brain & Behavior", "Cancer", "Diabetes", "Digestive Disorders", "Eye & Vision", and "Heart". The main article is titled "America's BEST HOSPITALS 2007" and includes a sub-header "Get to Know America's Best Children's Hospitals 2007". The text describes the rankings and lists links for "Pediatrics Methodology", "Photo Essay: Fixing Makenna's Heart", and "Photo Gallery: Doctors and the Kids They Helped". Below this is a section titled "PEDIATRICS RANKINGS" with a bulleted list: "• Children's Hospital of Philadelphia", "• Children's Hospital Boston", and "• Johns Hopkins Hospital, Baltimore". The text "See the complete list." is at the bottom of the list, and the entire list is circled in black.





- 36 MD or MD/PhD Faculty



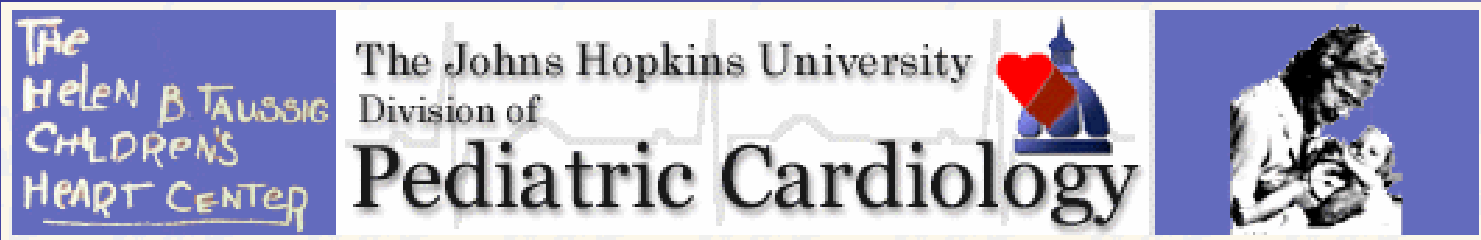
- The IGM is the home of the largest annotated database in medical genetics
- Ongoing National clinical trial of novel new treatment of Marfan's Syndrome (Losartan)
- Ongoing National trial of patients with aortic dilation to identify new genetic risks. Includes genotyping and image phenotyping (MRI).



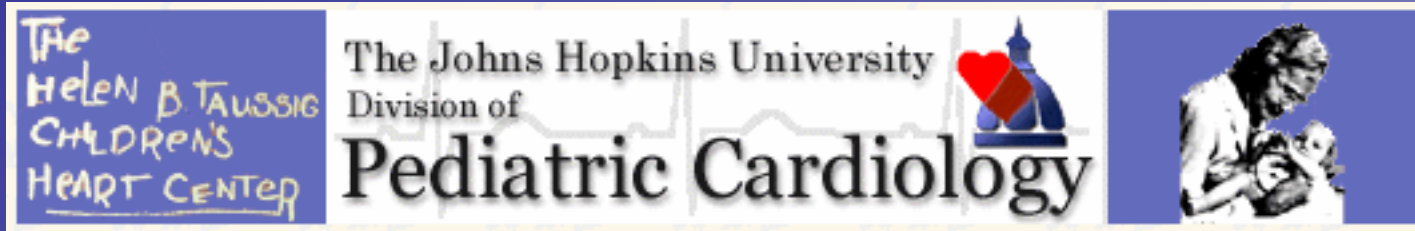
NCI
CCC A Comprehensive Cancer
Center Designated by the
National Cancer Institute

- 12 MD and MD, PhD Faculty
- 2 ongoing clinical trials in the treatment of glioma.

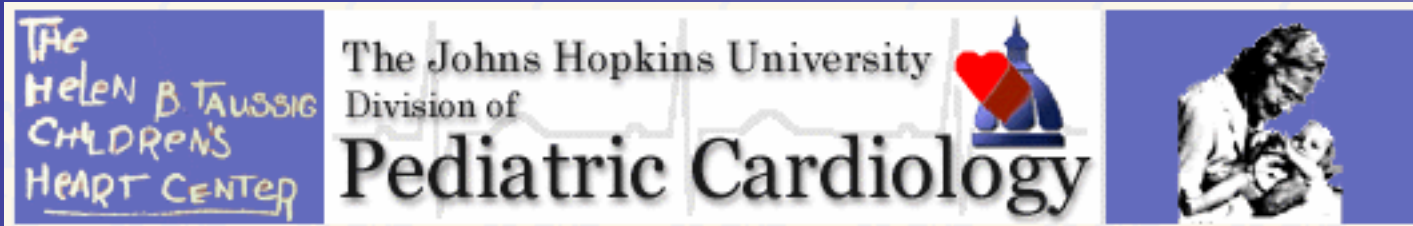




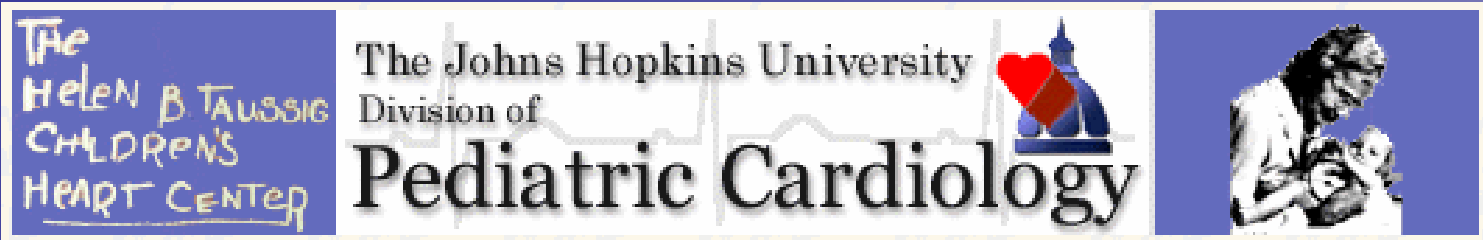
- 12 Full time faculty
- 7,000 Echocardiograms/year
- 500 MRI/CT
- Four faculty with > 50% effort for research.



- Anne Murphy, MD
 - Molecular Physiology of Myocardial Troponin I Variants . NIH \$1.2 million
 - Co-director of the NHLBI Cardiovascular Protoemics Center at Johns Hopkins



- Jennifer Habashi, MD
- Molecular regulation of aortic root dilation in Marfan's Syndrome mice. \$250,000



- Allen Everett, MD
 - Role of HDGF in vascular injury NIH \$1.2 million
 - Proteomic Discovery of Circulating Markers of Brain Injury in Children NIH \$2.2 million
 - Proteomic Biomarkers of treatment response in pulmonary hypertension \$1.2 million (Pending)
 - MAGIC Cardiac Catheterization Outcomes Project

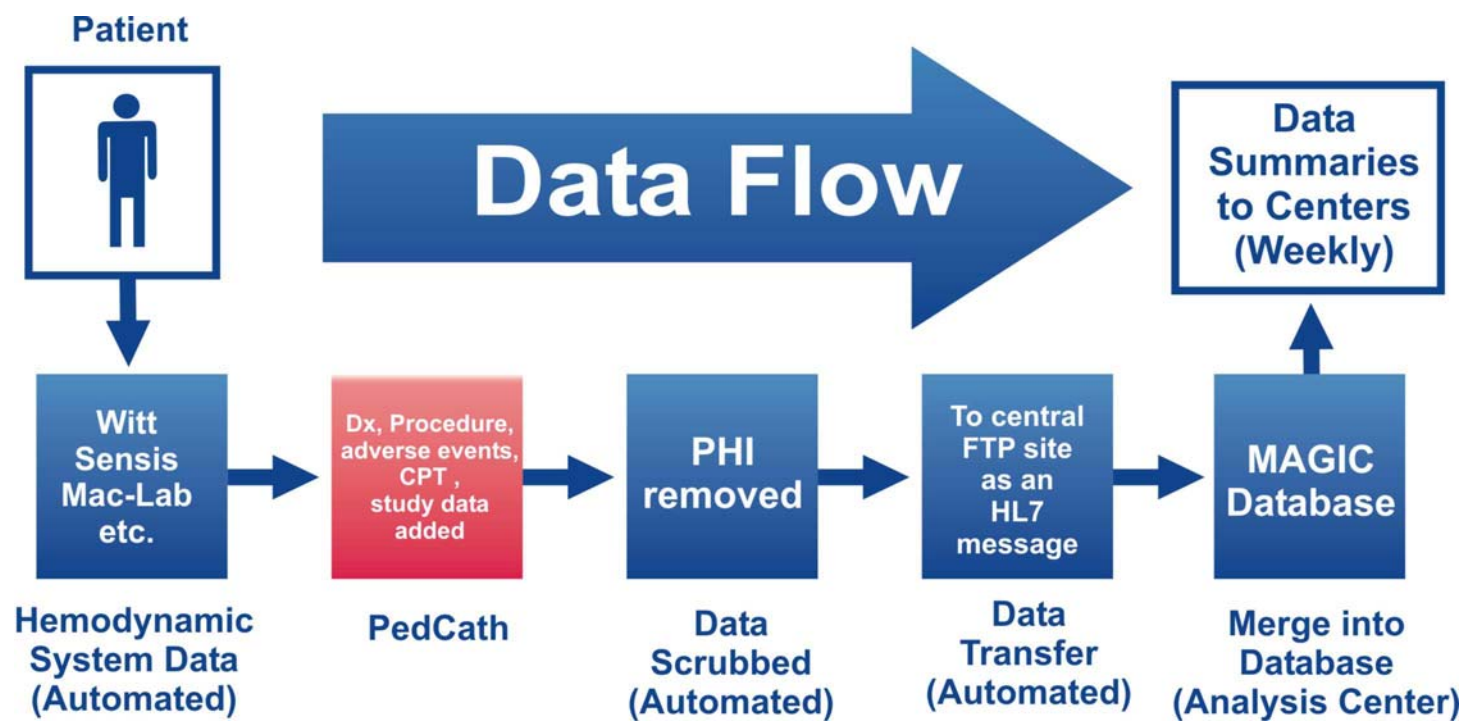
Project Goals

1. Develop a data collection and analysis framework for multi-institution investigations of Pediatric Cardiac Catheterization outcomes.
2. “Minimal extra work” to maximize compliance

Data Acquisition

- Modified the PedCath cardiac catheterization reporting program to function as an automatic data submission tool.
- PedCath is used by 68 centers in the US and 22 in Europe.

How MAGIC Works



MAGIC Contributors

- Johns Hopkins
- Duke University
- Vanderbilt University
- University of Virginia
- Children's Hospital of Central California
- Columbus Children's
- Riley Children's Hospital
- Yale University
- Denver Children's
- **Catholic Univ. Louvain,
Brussels, Belgium**
- Children's Hospital of Wisconsin
- Children's Memorial (Northwestern)
- Nemours Children's Hospital
- Children's Hospital of the Kings Daughters
- Medical University of South Carolina
- Wake Forest University

Current MAGIC Studies

- ASD Occlusion
- Pulmonary Valvuloplasty
- Aortic Valvuloplasty
- Coarctation Intervention
- PDA Closure
- VSD Closure
- PFO Closure
- Pulmonary Hypertension

} Started 11/7/06

Number of Cases Submitted- 11/1/04-9/25/07

MAGIC Hospital summary 9/26/2007

Total Cases: 1315

	2004	2005	2006	2007	Total Cases
Atrial Septal Defect Occlusion	14	122	230	149	515
Balloon Aortic Valvotomy	2	18	36	22	78
Coarctation angioplasty	5	34	76	27	142
Patent Ductus Arteriosus Occlusion			156	113	269
Patent Foramen Ovale Occlusion			8	37	45
Pulmonary Hypertension			1	70	71
Pulmonary Valvuloplasty	1	51	78	62	192
VSD			2	1	3

How Can We Use MAGIC?

1. Define the safety and expected outcome for these procedures.
2. Determine the benchmarks of successful interventional therapy.
3. Define practice standards for approach to interventional therapy.
4. Allow development of quality improvement initiatives in congenital heart disease care.
5. Determine if regionalization of care for interventional therapy is necessary.
6. Provide legacy data for evaluation of future devices.

What we can add to the HeC

- Add more patients to build up the expertise database
- Add the expertise of leaders in areas of MR/CT imaging, especially in the cardiovascular arena.
- Develop a more complete picture in the congenital heart studies by adding hemodynamic data to the genotype/imaging phenotype
- Potential to add proteomic phenotype data to better prognosticate for patients
- Significant genetic resources