Interventional cardiology and non-invasive imaging
Getting to know one another

G Karthikeyan, MD, DM, MSc
Professor of Cardiology
All India Institute of Medical Sciences
New Delhi, India

PHRI International Fellow
McMaster University, Canada
The mind of an interventionist
The mind of an interventionist

1. Essential information
   Does this patient need an angiogram?

2. Desirable to know
   How much of the myocardium is ischemic?

3. Nice to know
   Which territories are viable/ischemic?
The mind of an interventionist

1. Essential information
   Which territories are viable/ischemic?

2. Desirable to know
   How much of the myocardium is ischemic?

3. Nice to know
   Does this patient need an angiogram?
Targeted revascularization

58 year old male
Nondiabetic

Old infero-lateral MI
Severe LV systolic dysfunction (EF 30%)
Dyspnea and angina on exertion class II
Targeted revascularization

IMIC, Vienna Oct 2016
Targeted revascularization
Targeted revascularization

Viability: All areas show viability

Ischemia: Ischemia in anterior wall, apex and inferior wall
Targeted revascularization
Targeted revascularization
How much ischemia?

Will this patient benefit from revascularizing this LAD?
How much ischemia?

Will this patient benefit from revascularizing this RCA?
Does this patient need an angiogram?

Brer rabbit, Tar baby and the Cascade effect
How imagers can help

1. Establish channels of communication (heart team)

2. Provide precise and quantitative reports (severity, extent of ischemia or viability)

3. Education (particularly of trainees)
Heart Asia

A Cardiology journal focused on developing country issues

Web: heartasia.bmj.com
Email: info.heartasia@bmj.com
Editor-in-Chief: karthik2010@gmail.com
INDIA THE LARGEST DEMOCRACY IN
THE WORLD WELCOMES YOU.