

STEMI SYSTEM OF CARE- REDUCING ISCHAEMIC TIME- IN SOUTH AFRICA

Adriaan Snyders (MMed FACC FESC)

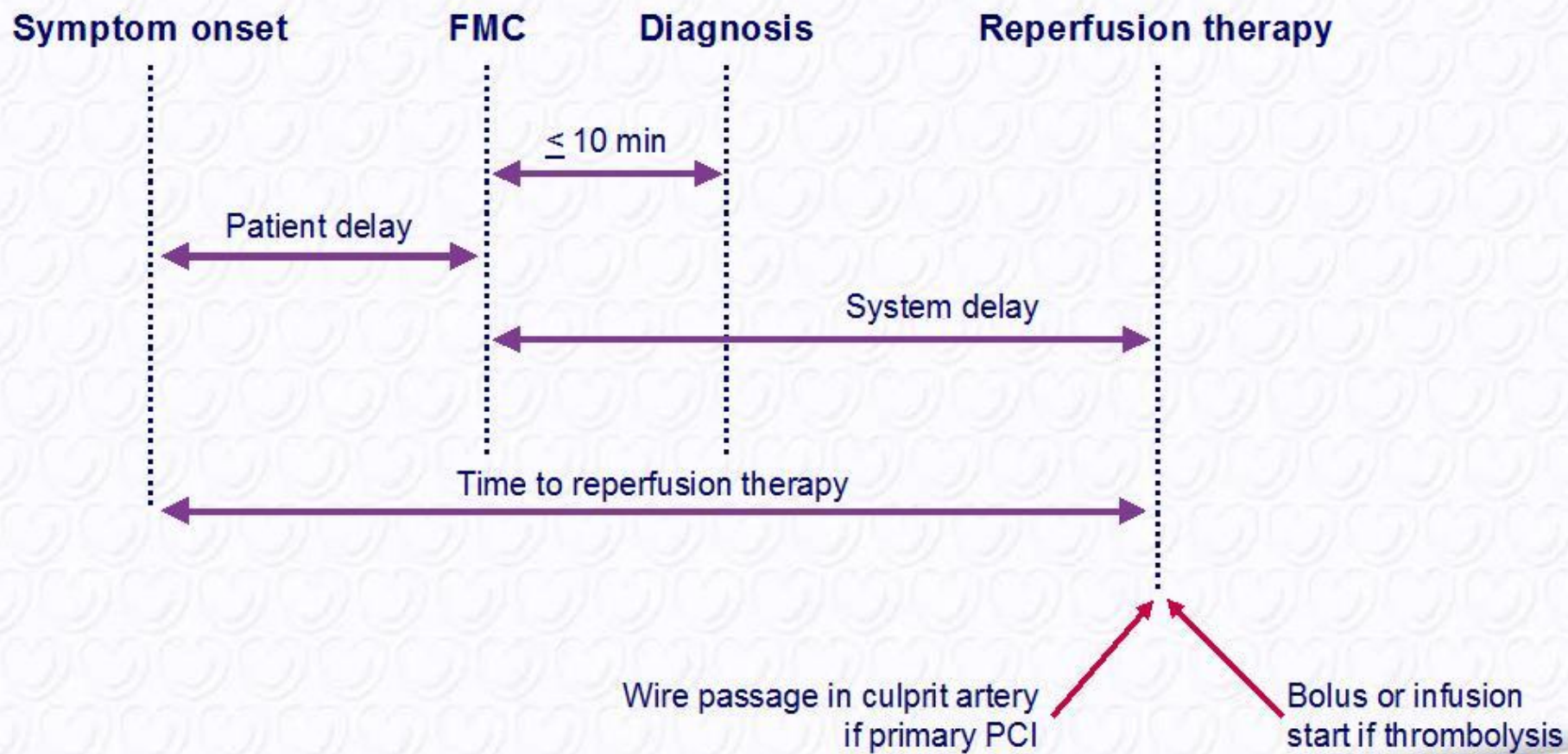
Chairman STEMI SA

Regional Director SSL Africa

Wilgers Hospital Pretoria

drsnyders@drsnyders.co.za

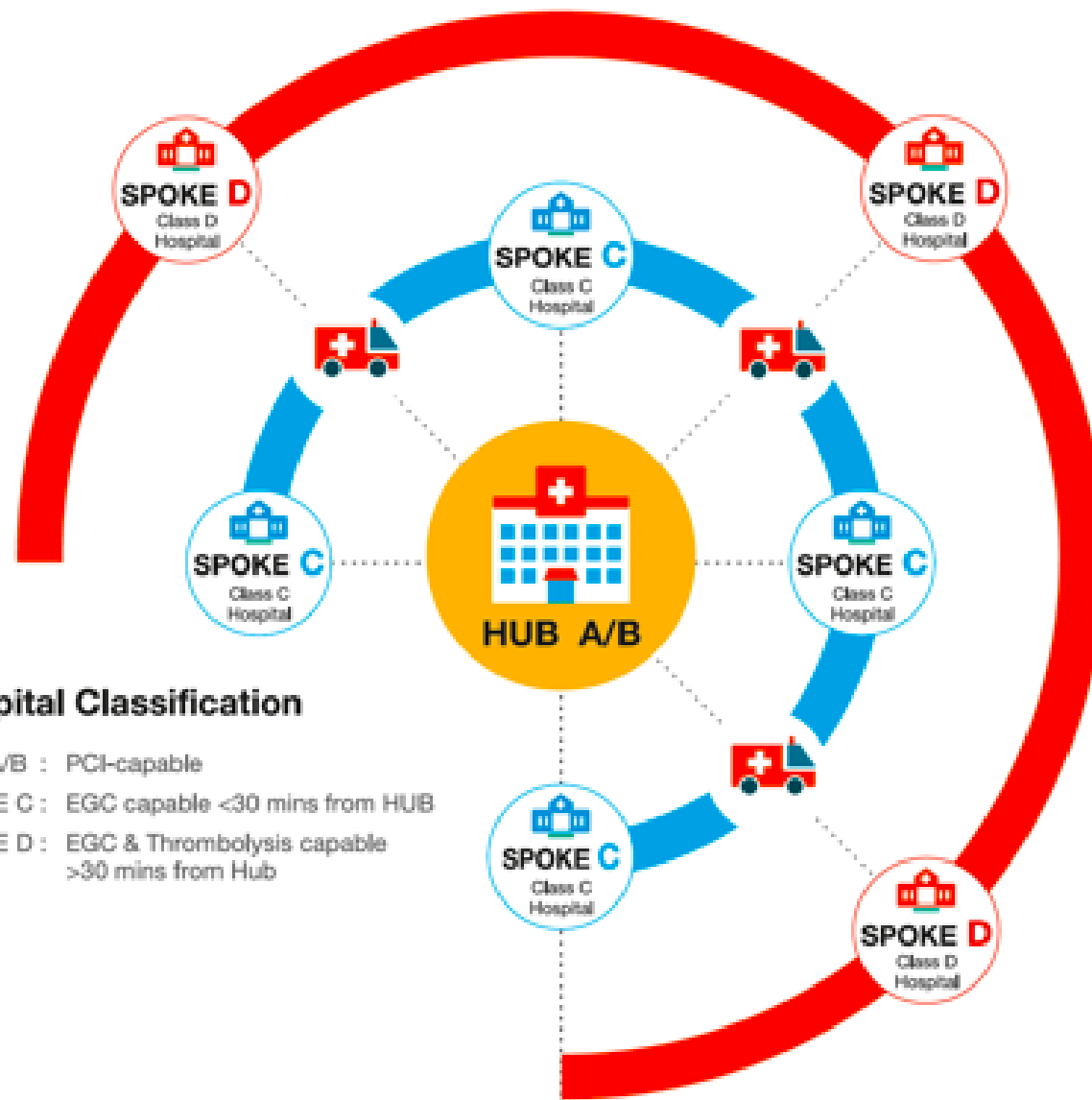
Components of delay in STEMI and ideal time intervals for intervention



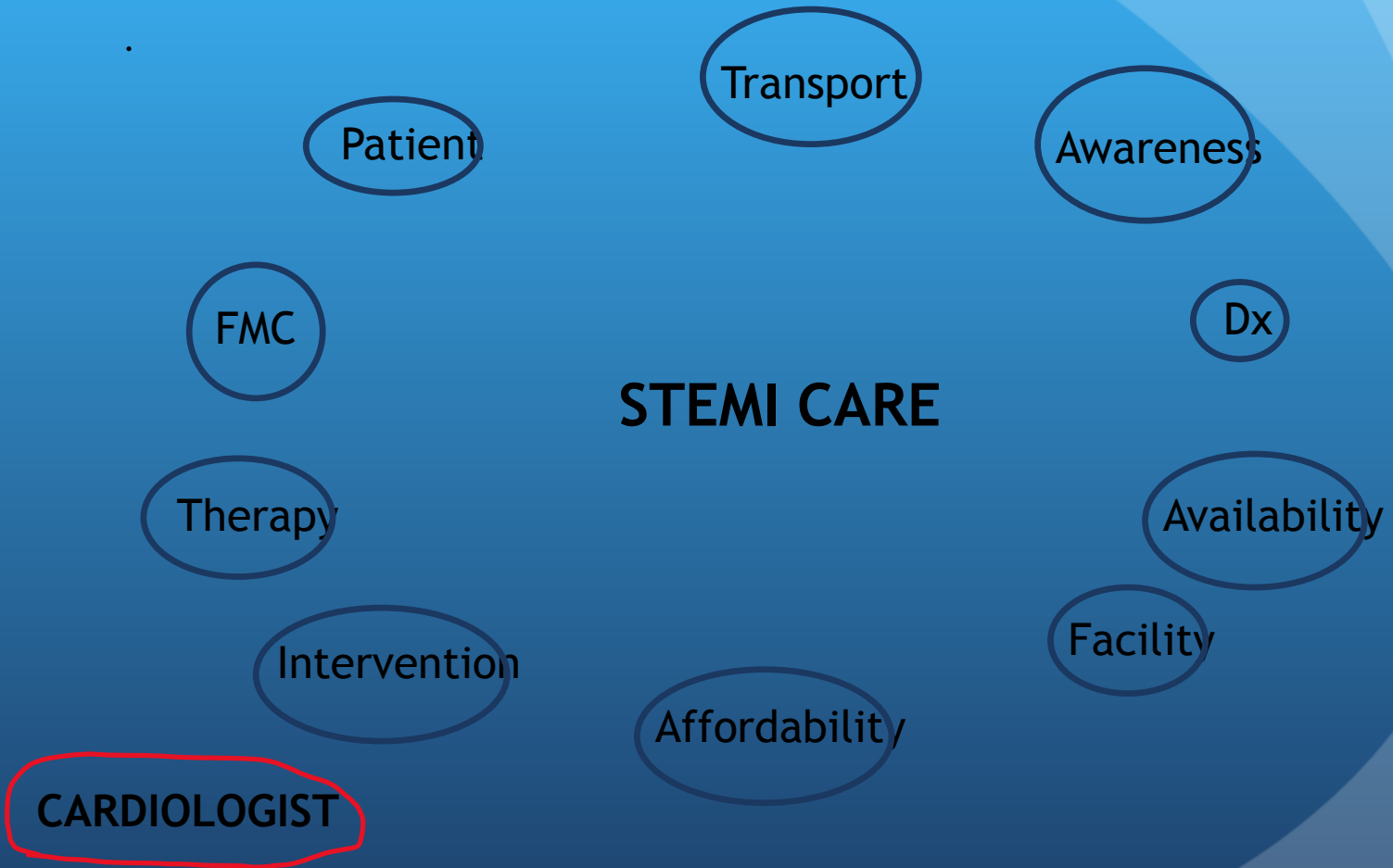
All delays are related to FMC (first medical contact)

European Heart Journal (2012) 33, 2569–2619
doi:10.1093/eurheartj/ehs215

Figure 8. The Hub and Spoke Model for STEMI Care Models.



STEMI CARE



FMC....

Education

ECG

Enthusiasm

Lytic

Affordability

Network

Transport

RECOGNITION OF THE DIAGNOSIS

- Patient Awareness
 - Value?
 - Who
- At First Medical Contact
 - Knowledge
 - ECG and other facilities
 - Clinical Decision
 - Medication Availability
 - Confidence
 - Networking
- Education
 - Heart and Stroke Foundation
 - National Program by ?
- Education- Who When
 - Programs Workshop
 - Materials Algorithms Etc
- Network information
 - EMS Collaboration
- ECG and Medication Availability?
 - No national data
 - But ...

STEMI SA

- **Education Workshops for FMC**
 - Limited - On request
 - By Who- Nationally - From the Hub
 - Financials
 - Success depends on the Hub and Enthusiasm
 - Materials available
 - Lots more to be done
 - Bigger Regional half day sessions
 - Smaller referral center discussions

At FMC

- **ECG Availability -**

- Perceptions often not available
- No excuse not to ask advice
- Cell Phone Number Availability?
- In private each units responsibility - not an issue
- In public department of Health

- **Poor ECG Interpretations Skills**

Management at FMC

- Lytic and other drug availability
 - Not data but And even No GP Practice ... Even PTA
 - Financial concern Vs Cos of Morbidity Mortality
 - Not giving Clopidogrel ...
- Transport - referral Challenges
 - Authorization ..
 - Ambulance availability
 - Ambulance Preference
 - Referral pathway preference
- Troponinitis

DATA

- Data on computers
- Data collections without a Question
- Too limited ... too extensive
- Patient and Institutional Consent
- Financials

What more can we do ??

- **PCI Hospital Driven Programs**
 - Referral Center Education
 - Transfer Arrangements
 - Establish Contact Numbers
 - Referral Sheet
 - Hospital Funding Lytics
 - Including Public Hospitals

• STEMI / Chest Pain Accreditation

• Requirements

- Educational programs to referral centers
- Morbidity & Mortality Review & Reporting
- Data Collection

• Advantages

- Streamline to Reperfusion
- Volumes Relates to Outcomes
- Marketing
- Centers of Excellence

- **Lytic and other Medication Availability**

- Need Data and Monitoring
- Industry Responsibility
- Public Health Strategy
- Lytic - Reporting Funding Collaboration

- **Public Private Partnership ????????**

- Nothing in Place
- Access to angiography
- Basic funding Package
- In and out strategy
- But
- Success at FMC → Angiography Issue ...

- **National Transfer Transport Guideline**
 - Collaborations
 - Availability - Taking vs Fetching
 - Default Funder Authorization - meeting criteria
 - Database of Facilities

- **FUNDING**

- Logistics and Admin Hospitals
- Lytics replacement
- Insured default package with criteria
- Company Social Responsibility - Equipment
- Dedicated Educational Grant Contributions
- Industry Registration as Supporter - Admin & Travel

- **Consensus Meeting**

- All role Players
- Including National government Health Department
- Academic / Tertiary Institutions
- Funders
- Emergency Services
- Purpose Outcome Monitored Driven

- **Health Care Provider Participation**

- Evaluating and contributing to educational material
- Reporting on initiatives and programs
- Data collections - Ownership and Ethics and Consent issues
- Hub Hospital Driven Initiatives
- Local Morbidity Mortality Meeting

- **Ongoing Networking**

- Stent Save Life
- EuroPCR
- AfricaPCR
- ESC
- SA Heart
- SASCI
- Emergency Physicians
- Emergency Medical Systems Structures -
Transport

- **TASK FORCE**

- > 1 Cardiologist
- Who can Meet
- Need Implementation
- Need New Ideas
- National Authority
- Tertiary Institutions involvement
- Government Dept of Health participation

- **THIS IS MORE THAN TREATING STEMI**

- Collaboration
- Even Risk Factor Management
- Private Public Partnership
- Central to cardiac disease
- Rewarding
- Etc

- **QUESTIONS**

- **CONTRIBUTIONS**

- drsnyders@drsnyders.co.za

