Guideline implementation in developing countries: a testimony from Syria

Challenges, Strategies, and Success Stories

Amr Abdin, MD, FESC, FEHRA, FHFA

Associate Professor of Cardiology Saarland University Hospital

Chairman of the Syrian National HF Working Group



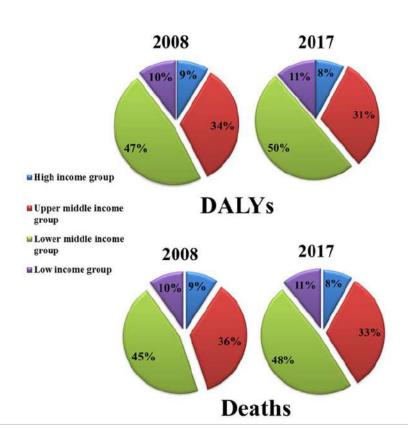
Conflict of interest



Nothing to declare

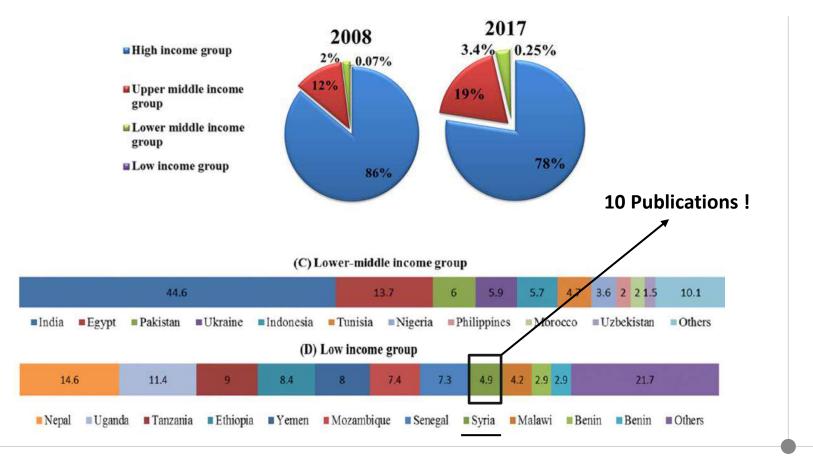
Low- and middle-income countries account for the majority of DALYs ESC and mortality from CVD worldwide





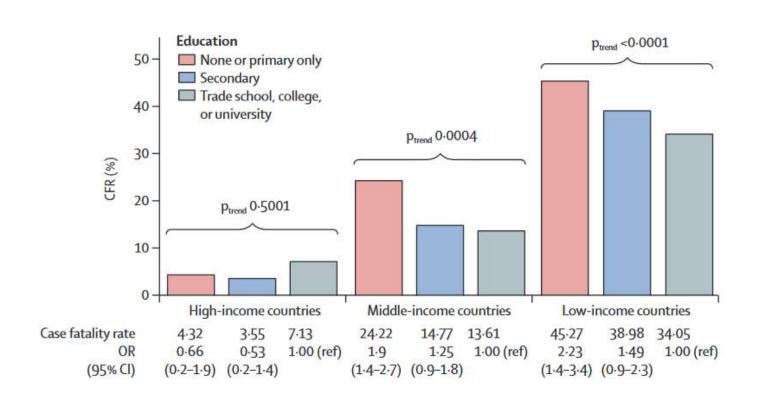
Contribution to 10 years of CV research achievement





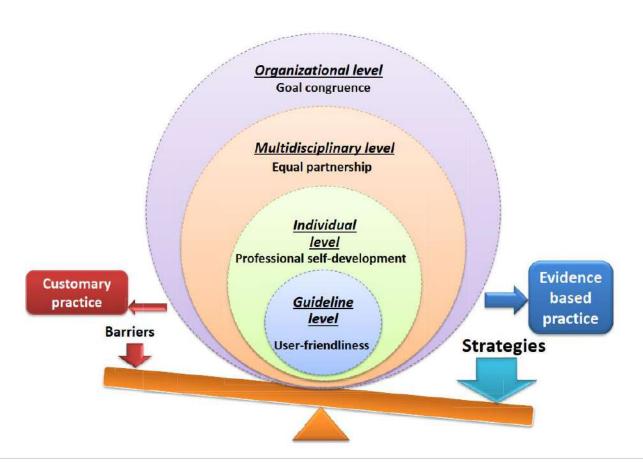
28-day CFR after a first CV event by income and level of education ©ESC



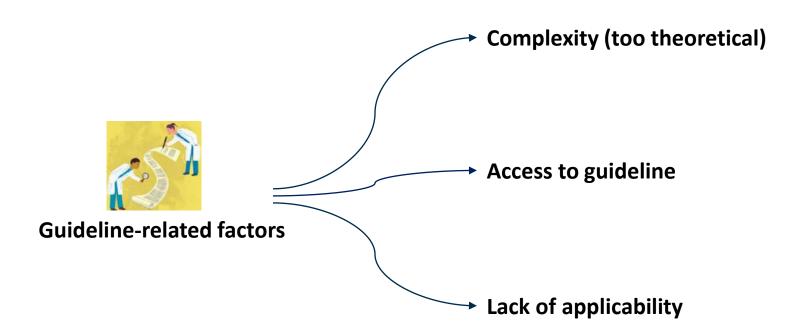


Preconditions for Successful Guideline Implementation

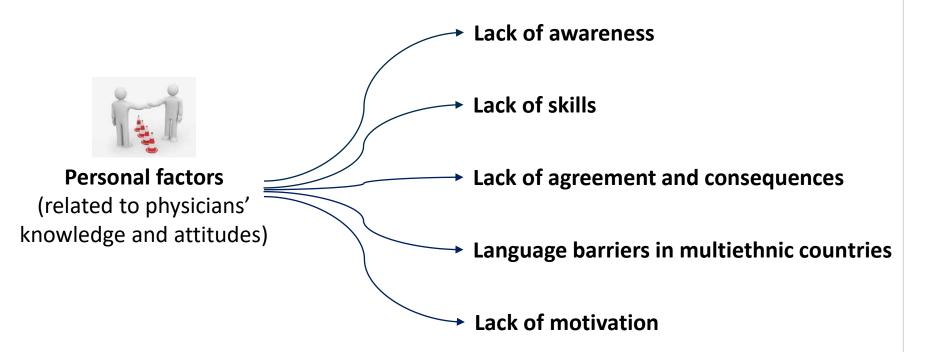




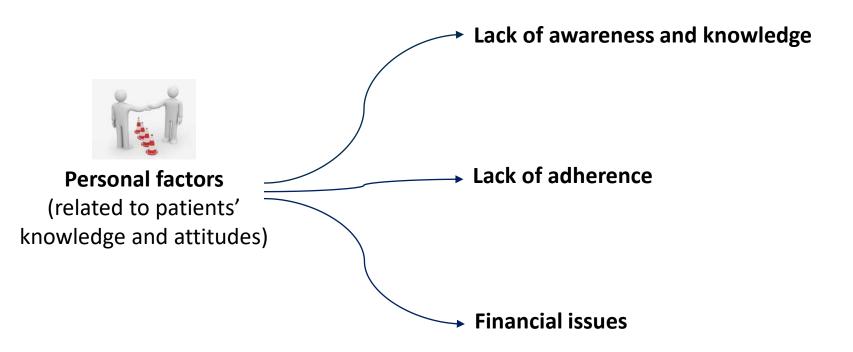




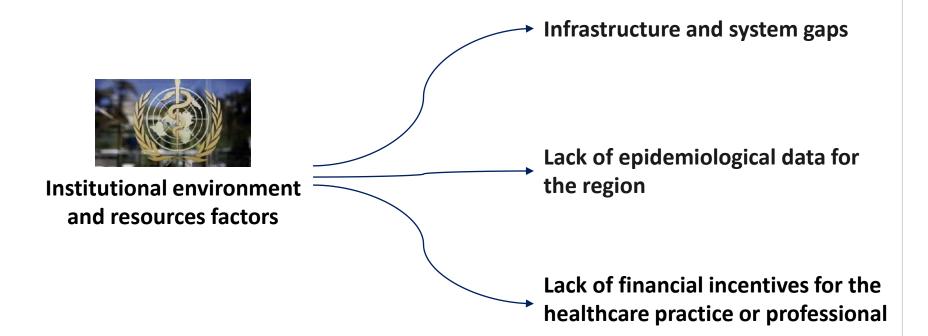




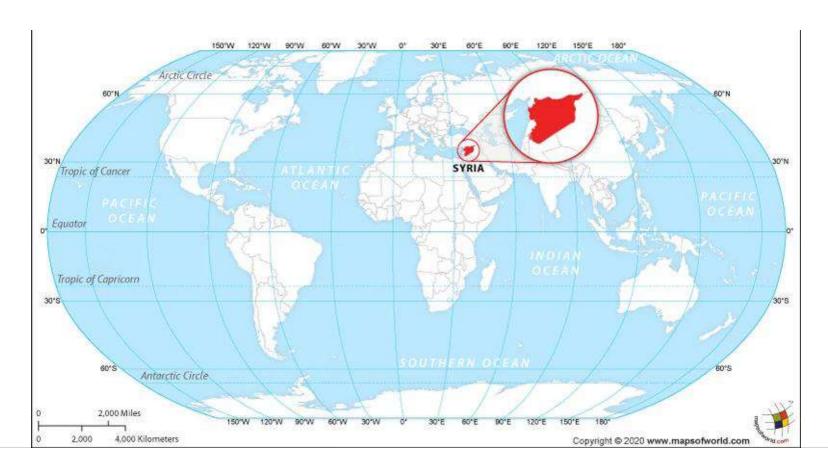






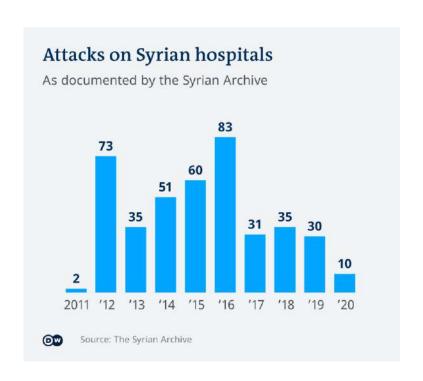


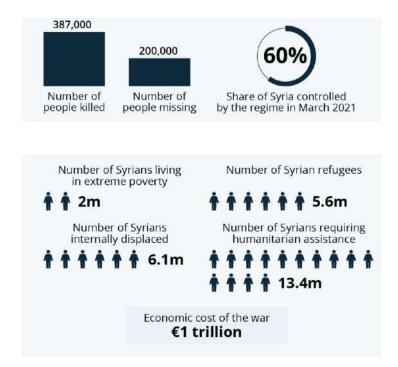




Key numbers behind the war in Syria (2021)







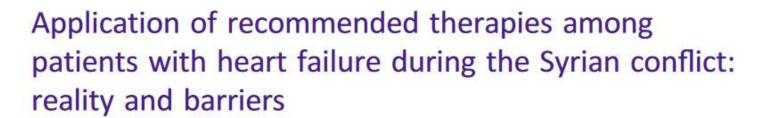


ORIGINAL ARTICLE

ESC HEART FAILURE

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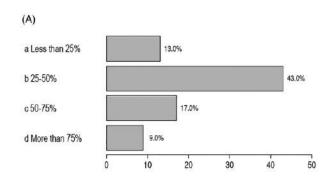


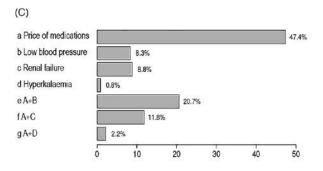
Amr Abdin^{1,2*}, Amer Barakat^{1,3}, Ahmad Rasheed Alsaadi^{1,3}, Asim Katbeh^{1,4}, Yassin Bani Marjeh^{1,4}, Tarek Bekfani⁵ and Mhd Nawar Alachkar^{1,6}

¹Syrian Cardiovascular Association, Damascus, Syria; ²Department of Internal Medicine III, Cardiology, Angiology, Intensive Care Medicine, Saarland University Medical Center, Saarland University, Saarbrücken, Germany; ³Cardiology Department, Al Mouwasat University Hospital, Damascus, Syrian Arab Republic; ⁴Al Bassel Heart Institute, Damascus, Syrian Arab Republic; ⁵Department of Internal Medicine I, Division of Cardiology, Angiology and Intensive Medical Care, University Hospital Magdeburg, Otto von Guericke-University, Magdeburg, Germany; and ⁶Department of Cardiology and Vascular Medicine, Klinikum Coburg, Coburg, Germany

Proportion of HFrEF receiving the 4 foundational HF drugs

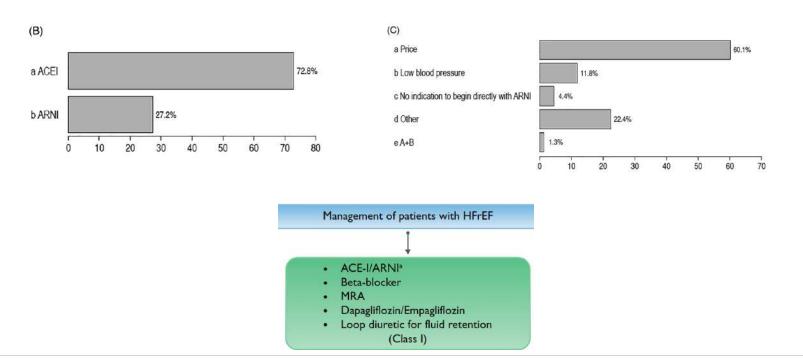






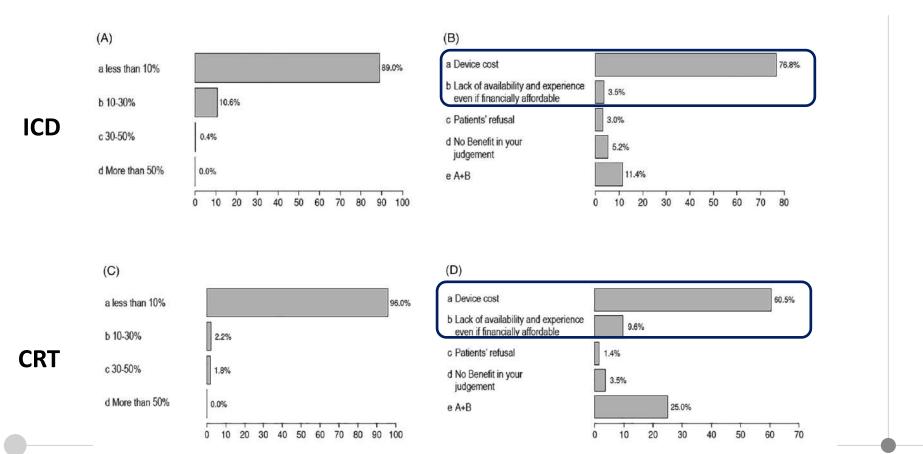
Reality and barriers of application of ARNI in HF patients **©** ESC





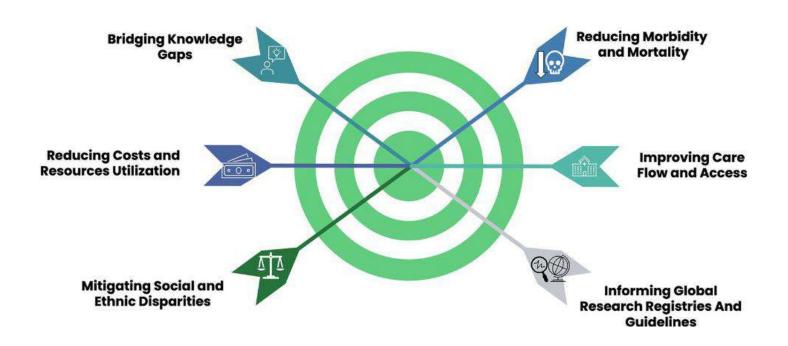
Reality and barriers of application of devices treatment in HF patients ESC





Bridging gaps in cardiology practice





JOURNAL ARTICLE

Message of hope from a country at war: The Syrian Cardiovascular Association is revived again after 7 vears of inactivity



Educational Events for Young Cardiologists , Asim Katbeh, MD









Aleppo 03/2022



Damascus 01/2022





Aleppo 08/2023



Volume 40, Issue 3, 14 January 2019, Pages 233-234, eurheartj/ehy830

2019

Educational Materials in Arabic

























Global Spotlights





Syrian Cardiovascular Association: Small Steps towards a Bright Horizon

Amr Abdin, MD, FESC, FHFA¹, Asim Katbeh, MD, PhD, FESC and Yassin Bani Marjeh, MD²; On behalf of the Syrian Cardiovascular Association

Syrian Carcliovascular Association, Damascus, Syria, University Hospital Saarland, Homburg, Germany, and Syrian Cardiovascular Association, Damascus, Syria

Two years ago, we happily reported that our Syrian Cardiovascular Association, after 7 years of war, had been reactivated on the international stage. I Additionally, we introduced our new Syrian Heart Failure (HF) working groups. These were the first steps towards our shared dream. In 2019, and despite the many obstacles facing our country, our HF Working Group participated in the HF awareness days. Our activities took place from the end of April until the end of May. In cooperation with the Syrian Young Cardiovascular Association, we organized educational meetings for the young



Syrian STEMI registry

Patients' medical history

Pat.ID:

Age (year):

Gender (1: male, 2: female):

Height cm: Weight kg:

Hypertension (0 no. 1: Yes):

Smoking (0: no, 1: current, 2: Former):

Hypercholesterolemia (0:no, 1: yes):

DM (0: no, 1: yes):

AF (0: no, 1: yes):

Prior MI (0: no, 1: yes):

Prior HF (0:no: 1: yes):

Prior PCI (0:no, 1: yes):

Prior CABG (0:no, 1: yes):

Prior fibrinalysis (0:no, 1: yes):

PVD (0: no, 1: yes):

COPD (0: no, 1: yes):

Stroke or TIA (0:no, 1: yes):

Chronic kidney disease: (0:no, 1: yes):

Blood values:

Hemoglobin:

Creatinine:

Trop:

CK: Platelets:

INR:

PTT:

Na+:

TSH:

.....

Glucose

At presentation:

Heart rate (bpm):

BP (mmHg):

Time from onset of symptoms to first medical contact (min):

Time from onset of symptoms to arrival at

the hospital (min):

Cardiac arrest between onset of symptoms and arrival at the hospital (0: no, 1: yes):

Pre-hospital aspirin (0: no, 1: yes):

Pre-hospital heparin (0: no, 1: yes):

Ongoing chest pain (0: no, 1: yes):

VT or VF at arrival to hospital (0: no, 1:

mechanical complication of MI (0: no, 1:

Acute heart failure (0: no, 1: yes):

Rhythm (Sinus: 1, AF: 2, Paced: 3):

ST elevation (Leads ?):

LBBB [0: no, 1: yes]:

Therapy at admission:

Aspirin (0: no, 1: yes)

UFH (0: no, 1: yes):





Global Spotlights

When technology innovation is the only path to treat patients in economic crisis countries: the Syrian experience

Amr Abdin 6 1,2*, Asim Katbeh1, and Yassin Bani Marjeh1,3

System Cardovascular Association, Al-jaba Street, P.O. Box 8487, Damason, Syste, "Department of Internal Medicine III, Cardiclagy, Angiology, Intensive Care Medicine, Sushand University, Kritherger Strasse 100, Homburg, Saschrickan 64421, Germany, and "Cardiology Department, Al Bassel Heart Institute, Dummar Housing Area — 5th like Dissecus, System

Four years ago, we happily reported that our Syrian Cardiovascular Association, after 7 years of war, had been reactivated on the international stage. Additionally, we introduced our new Syrian Heart Failure (HF) and Syrian Young Cardiovascular Association

working groups. These were the first steps towards our shared dream.

During the last 4 years and despite the many obstacles facing our country, our association in co-operation with Syrian HF and young



Figure 1 The team of doctors from Germany and Syria who implanted the first two left bundle branch pacing cases in Syria.

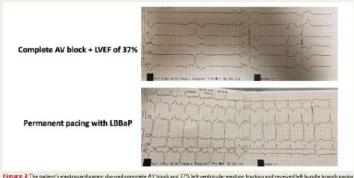


Figure 2 The patient's electrocardiogram showed complete AV block and 37% left ventricular ejection fraction and received left bundle branch pacing with a very good result.

Conclusion



- There are wide range of barriers to implementing CPGs recommendations in primary care settings
- The barriers involve different levels (healthcare system, organisational and individual level)
- All the implementation strategies need to be conducted based on a full consideration of the social, cultural and community contexts to ensure the success and sustainability of CPGs implementation.
- In considering these aspects, stakeholders must be included in order to reveal barriers and to develop adequate strategies for guideline implementation







Thank You!

email: amr.abdin@gmail.com



