Supplementary materials

Table S1: Search Strategy

Generated	((((((((((((((((((((((((((((((((((((((
using	Clinical guideline*) OR Guideline*) OR Practice Guideline*) AND Middle East*) OR
PubMed	Algeria*) OR Bahrain*) OR Kingdom of Bahrain) OR Djibouti) OR Egypt*) OR Arab
Advanced	Republic of Egypt) OR Iran*) OR Islamic Republic of Iran) OR Iraq*) OR Syrian Arab
Search	Republic) OR Syria*) OR Kuwait*) OR Hashemite Kingdom of Jordan) OR Jordan)
Builder	OR Leban*) OR Lebanon) OR Morocco) OR Maghreb) OR Maghrib) OR Libya) OR
	Qatar) OR Somalia*) OR Sudan) OR Tunisia) OR Tunis) OR Saudi Arabia*) OR
	Kingdom of Saudi Arabia) OR Saudi) OR Yemen) OR United Arab Emirates) OR
	Emirat*) OR Palestine) OR Occupied Palestinian Territory) OR Israel) OR Gaza) OR
	Gazah) OR Gaza and the West Bank) OR The West Bank) OR Gulf Cooperation
	Council) OR Gulf) OR GCC

Table S 2. Barriers for implementations of clinical practice guidelines

Category	Barriers	Qualitative			Mixed		Quantitative								er
		Radwan	Alkhatib	Seyed	Wahbi	Elsadig	Radwan	Salma	Sharif	Jradi	Thabet	AlSubai	Alnoush	Al-Azzam	Total number
Healthcare professional	Lack of awareness of the existence of guidelines				✓							√			2
	Lack of familiarity with CPGs recommendation				√							✓		✓	3
	Disagreement to the recommendations of the CPG				✓		✓					✓			3
	Doubts about the positive impact of CPGs on outcomes									✓			√		2
	Preference for experience over CPGs			✓											1
	Lack of effective communication, research and self-learning skills			√											1
	Lack of healthcare professional motivation			✓			✓					✓			3
Guidelines	Lack of clarity or complexity			✓			√		✓			✓			4
	Rigid guidelines may not always be practical and cannot be applied on a day-to-day														
	Outdated guidelines	✓													1
	Guideline trustworthiness (evidence quality, content, developer)	√		√	√	√	√				√				6
Patients	Language and literacy problems				✓									_	1
	Lack of motivation, compliance and knowledge to follow the recommendations		√							√		√	✓		4
	Patients' financial situation and occupational status							✓	✓					_	2

Environment	Lack of protocols and processes of dissemination and implementation		✓		✓					✓	✓	✓		5
	Lack of resources	✓			✓	✓	✓			✓	✓	√		7
	Lack of time	✓		✓			✓	✓	✓		✓	✓		7
	Lack of clinical audit and feedback	✓						✓						2
	Difficulties with availability of medicines or test				✓	✓		✓					√	4
	Lack o financial incentives	✓					✓							2
	Lack of training							✓	✓			✓		3
	Insurance does not cover recommendations		✓	✓		✓							√	4
	Lack of regulation and supervision			✓										1
	Lack of evidence-based culture and education			✓										1
	Lack of policy makers supports			✓				✓						2
	Deficiencies in the referral of patients to services				✓									1