

LICOR and rates of cardiovascular interventions

Abstracted and Reported by

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The Lebanese Interventional Coronary registry (LICOR) is a registry of cardio-vascular events that developed as a collaborative effort between the Ministry of Health, the World Health Organization, the Lebanese Cardiology Society (LCS) with financial support from Industry (Aventis Sanofi) . The project was incubated earlier for two years in the LCS.

This registry reported in 2004 data on 8,746 interventional events of which 6,874 were angiographies and 1,872 angioplasties (a ratio of 4:1). This represents about 30% of all interventional events in Lebanon in 2004. This data reported on 69% of the 35 centers currently performing coronary interventions in Lebanon. It is thus estimated that Lebanon has 7.6 facilities per million inhabitants compared to 2.5 in Europe and 7.3 in the USA.

The registry estimated that a total of 28,264 procedures were performed in 2004, of which 22,167 were coronary angiographies and 6,097 angioplasties. These findings correspond with a 2003 estimate of 25,000 procedures per year, a rate of 72:10,000 reported by Sibai . The rate of coronary procedures is this estimated at 4,756 and 1,296 procedures per million people, compared to only 3,935 and 1,532 in France, notwithstanding the fact that the population in Lebanon is far younger than in France.

The mean age of patients was 60.9 years with a median of 62 years. Males predominate by a ratio of 2:1. The distribution of cases mirrored the geographic distribution of the population.

It is noteworthy to mention that 24% of procedures revealed no stenosed vessels. The overall complication rate was only 1%, with 3 deaths reported. Three quarters of the procedures were done on non-emergency basis.

	2003 Sibai	2004 ³	2006 ⁴	2007
Angiographies Reported from		6874		
Angioplasties Reported from		1872		
Angiographies Estimated		22167	23139	24797
Angioplasties		6097	6449	6869
Angiographies	25000			
Angiographies Rate/Million	4756		6155	6596
Angioplasties Rate/Million	1296		1720	1827
Angiographies Rate/Million France	3935			4030
Angiographies Rate/Million US				4340
Angioplasties Rate/Million France	1532			1601
Angioplasties Rate/Million US				2290
Cardiac Centers		35	37/42	
Report from		69%		
Ratio of facilities Lebanon		7.6/Million		
Ratio of facilities Europe		2.5/Million		
Ratio of facilities USA		7.3/Million		
Mean age of patients		60.9		
Median age of patients		62		
Males/Females Ratio		2:1		
Rate of stenosed vessels		24%		
Complication rate		1%		
% Use eluted cardiac stents (DES)		16.3	22.3	30.7