



Capacity Building for Surgery Training in Iran

Report of 40 years experience

Ali Jafarian M.D.

Professor of General Surgery

Member, National Board of General Surgery



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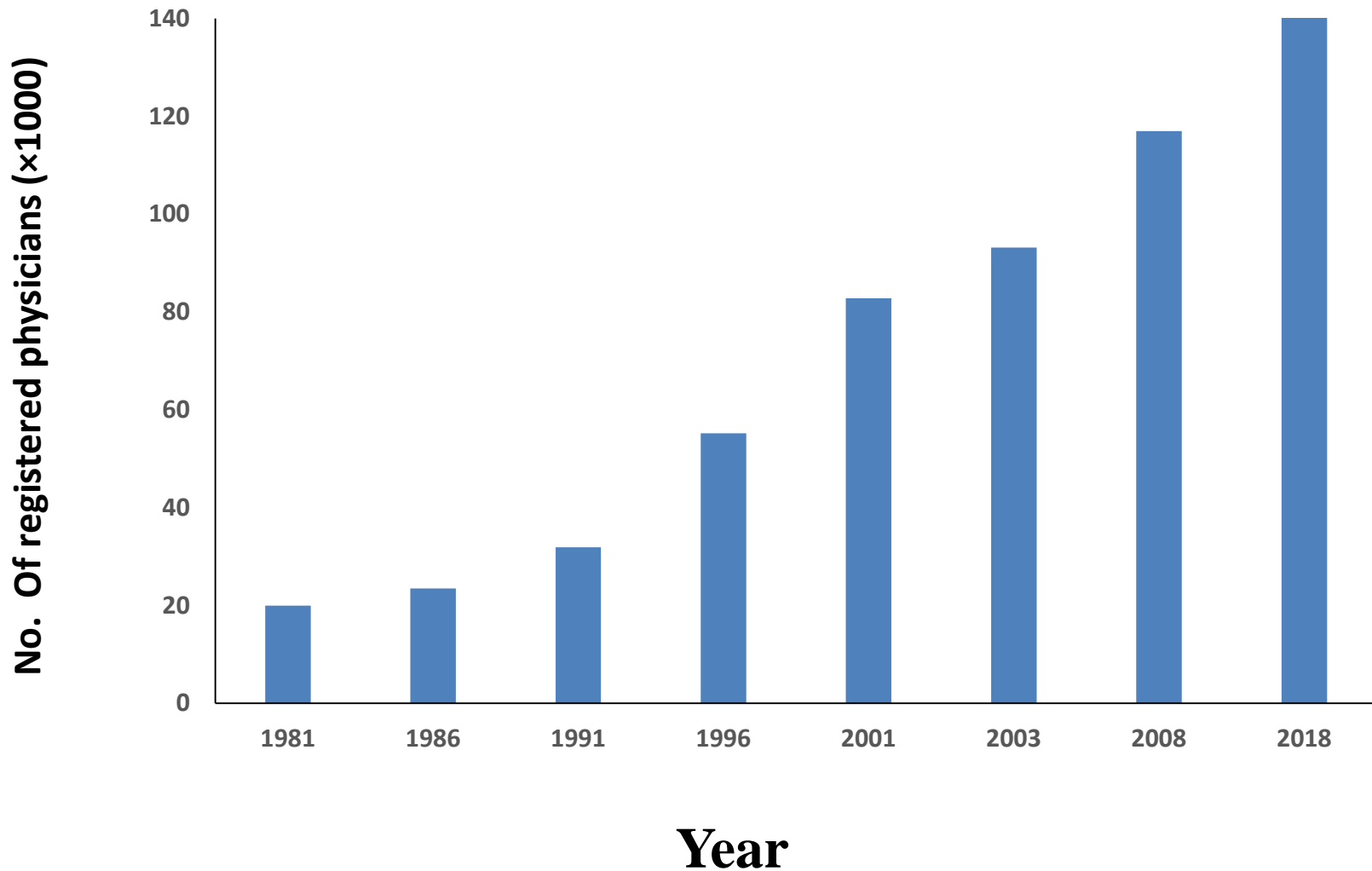
Trend of medical education in Iran, 1979-2015

	1979	2000	2015
Faculty of Medicine (No)	9	35	72
Hospital beds (No)	50760	105716	128,142
Teaching hospital beds (No)	9558	52089	59,414
Faculty members (Female %)	2908	8396	13,621
	(26)	(36)	(42)

Trend of medical education in Iran, 1979-2015

	1979	2000	2015
Graduated residents (No/year) all specialties	420	1332	2,237
Subspecialty graduates (No/year)	0	106	203
Total number of physicians	12000	86000	119,459
Population per 1 Physician	2998	955	657

Number of Registered Physician in Iran (1981-2018)



Trend of General Surgery training

	1979	2018
No. of Residency programs	6	26
No. of residents enrolled (each year)	< 50	>150
Faculty Members (including subspecialties)	<200	766

Speciality	Existent (available)	Needed (2025)	Available (without any intervention) 2025	
General surgery	3,549	4,119	3,921	Lower limit of Balance
Anesthesiology	3,272	4,640	4,870	Upper limit of Balance
Ob&Gyn	4,591	5,569	5,845	Upper limit of Balance
Urology	1,000	1,206	1,341	Surplus
Neurosurgery	723	1,392	1,064	Relative Shortage
Orthopedic surgery	1,855	2,373	2,176	Lower limit of Balance
ENT	1,420	1,491	1,563	Upper limit of Balance
Ophthalmology	1,840	1,867	1,975	Upper limit of Balance

Achievements and Challenges

Achievements

- Increased number of programs and residents
- More just distribution of Surgeons in the country sides
- Decreasing referral to central cities

Challenges

- Quality control of programs
- Problems of young surgeons working in country sides
- Effects of payment methods on workload and quality of care
- Overproduction?



Thank you