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SUPPLEMENTARY MATERIAL

Knowledge, perceptions, and practices of blood donation among undergraduate students at Gulf Medical University, United Arab Emirates: a cross-sectional study

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Table 1. Sociodemographic characteristic.

Variable (n=301)		Frequency	Percent
	17-24 years	286	95.0
Age	25-30 years	6	2.0
	>30 years	9	3.0
Gender	Male	52	17.3
Gender	Female	249	82.7
Marital status	Single	287	95.3
wiaritai status	Married	14	4.7
	Abu Dhabi	14	4.7
	Dubai	70	23.3
Residence	Sharjah	85	28.2
Residence	Ajman	117	38.9
	Ras Al Khaimah	6	2.0
	Umm Al-Quwain	9	3.0
	Medicine	55	18.3
	Dentistry	8	2.7
Collogo of studying	Pharmacy	8	2.7
College of studying	Health Sciences	199	66.1
	Nursing	20	6.6
	Healthcare Management	11	3.7
	1 st Year	99	32.9
	2 nd Year	85	28.2
Academic Year	3 rd Year	49	16.3
	4 th Year	61	20.3
	5 th Year	7	2.3

Table 2. Heath status of study participants.

Variable (n=301)	No, n (%)	Yes, n (%)
Are you a smoker?	269 (89.4)	32 (10.6)
Do you have any hematological (blood related) disease?	285 (94.7)	16 (5.3)
Do have any immune diseases?	296 (98.3)	5 (1.7)
Do you have any metabolic syndrome?	297 (98.7)	4 (1.3)
Do you have any infectious diseases?	297 (98.7)	4 (1.3)
Did you donate blood anytime?	261 (86.7)	40 (13.3)

Table 3. Knowledge.

Knowledge (n=301)		Frequency	Percent	
	Blood bank	190	63.1	
Are you aware about, where can the blood be	Health facility	49	16.3	
donated?	Campaign	33	11.0	
	Don't know	29	9.6	
	Weekly	6	2.0	
	Monthly	31	10.3	
How often an individual can donate blood?	Every 3 to 6 Months	183	60.8	
	Yearly	21	7.0	
	Don't know	60	19.9	
	Any healthy adult	296	98.3	
W/I 1 4 1 1 10	Men	2	0.7	
Who can donate blood?	Women	2	0.7	
	Old males and females	1	0.3	
In the area in a constant in the direction of the directi	No	54	17.9	
Is there is any age limitation for blood donation?	Yes	247	82.1	
C1111119	No	40	13.3	
Can people with any blood group donate blood?	Yes	261	86.7	
A C.1 11 1	No	16	5.3	
Are you aware of the common blood group types?	Yes	285	94.7	
Con blood be stored in the blood bonb?	No	11	3.7	
Can blood be stored in the blood bank?	Yes	290	96.3	
Does blood donation have any beneficial effects to	Disagree	59	19.6	
the donor?	Agree	242	80.4	
	One	52	17.3	
Number of newscap honested from a wait of blood	Two	21	7.0	
Number of persons benefited from a unit of blood	Three	38	12.6	
donated	Four and above	40	13.3	
	Don't Know	150	49.8	
If there is a announcement for rare blood Group and	No	17	5.6	
you possess it, will you donate the blood if you		95	31.6	
receive notification of need for blood?	Yes	189	62.8	
Are you aware of the location of blood bank in your	No	192	63.8	
current or previous residing place?	Yes	109	36.2	
Have you undergone blood transfusion before you	No	265	88.0	
donate blood?	Yes	36	12.0	
Are you aware about the blood transfusion	No	62	20.6	
transmitted infections?	Yes	239	79.4	

Table 4. The benefits of blood transfusion.

The benefits of blood transfusion (n=301)	No, n (%)	Yes, n (%)
Activate blood circulation and blood renewal	67 (22.3)	234 (77.7)
Decreases heart and arterial diseases	168 (55.8)	133 (44.2)
Detect hidden diseases	162 (53.8)	139 (46.2)
Able to Keep Your Iron Levels in Check	159 (52.8)	142 (47.2)
You'll Get a Mini Check-Up	170 (56.5)	131 (43.5)
Improve your emotional well-being	188 (62.5)	113 (37.5)
Provide a sense of belonging and reduce isolation	193 (64.1)	108 (35.9)

Table 5. Perceptions.

Perceptions (n=301)		Frequency	Percent
Wayld you nesticiants in bland dansting	No	20	6.6
Would you participate in blood donation campaign in future?	Probably	105	34.9
campaign in future?	Yes	176	58.5
Would you tell other people about your donation	No	39	13.0
experience?	Yes	262	87.0
	Any one	241	80.1
Early whom yould you must be donoted blood?	One of my family	32	10.6
For whom would you prefer to donate blood?	Relative	12	4.0
	Others	16	5.3
	No	18	6.0
Would you donate blood again	Probably	128	42.5
	Yes	155	51.5

Table 6. Practices.

How many times did you donate blood (the frequency of blood donation)	Frequency	Percent
No rarely donate	254	84.4
Yes, once a year	19	6.3
Yes, every 3 months	13	4.3
Yes, every 6 months	15	5.0
Total	301	100.0

Table 7. Practices.

(n=47)		Frequency	Percent
	Blood Bank	25	53.2
Place where you recently donated the	In health institution	15	31.9
blood?	Event organized in the campus	7	14.9
	Total	47	100.0
Your last experience motivates you to-	No	10	21.3
	Yes	37	78.7
	Total	47	100.0
Did you feel any complications after donating blood?	No	38	80.9
	Yes	9	19.1
uonaung bioou:	Total	47	100.0

Table 8. Barriers to blood donation.

Barrier about blood donation (n=301)	No, n (%)	Yes, n (%)
Failing to meet the donation criteria requirements	151 (50.2)	150 (49.8)
Fear of catching diseases	225 (74.8)	76 (25.2)
Fear of needle pain	201 (66.8)	100 (33.2)
Feeling dizzy	201 (66.8)	100 (33.2)
Desire to donate in the future to my relatives	250 (83.1)	51 (16.9)
Lack of special reward	273 (90.7)	28 (9.3)
I do not have time to donate blood	243 (80.7)	58 (19.3)
I do not think there is a need to donate blood	265 (88.0)	36 (12.0)

Table 9. Source of information about blood donation.

Source of information about blood donation (n=301)	No, n (%)	Yes, n (%)
Doctor	90 (29.9)	211 (70.1)
Awareness campaigns	136 (45.2)	165 (54.8)
Newspaper and magazine	227 (75.4)	74 (24.6)
Family	187 (62.1)	114 (37.9)
Friends	182 (60.5)	119 (39.5)
Social media	120 (39.9)	181 (60.1)
Radio program	273 (90.7)	28 (9.3)
TV program	238 (79.1)	63 (20.9)

Table 10. Association of knowledge with gender, marital status, and residence.

Knowledge						p		
		Po	or	Average		Good		_
		n	%	n	%	n	%	
Gender	Male	2	11.1	36	17.6	14	17.7	0.775
Gender	Female	16	88.9	168	82.4	65	82.3	0.775
Marital	Single	17	94.4	197	96.6	73	92.4	0.323
status	Married	1	5.6	7	3.4	6	7.6	0.323
	Abu Dhabi	2	11.1	8	3.9	4	5.1	
	Dubai	3	16.7	49	24.1	18	22.8	
Residence	Sharjah	5	27.8	57	28.1	22	27.8	0.885
Residence	Ajman	7	38.9	81	39.9	29	36.7	
	Ras Al Khaimah	0	0.0	3	1.5	3	3.8	
	Umm Al-Quwain	1	5.6	5	2.5	3	3.8	

Table 11. Association of knowledge with college and academic year.

			Knowledge					р	
		Po	Poor		Poor Average		Good		_
		n	%	n	%	n	%		
XX/1 · 1	College of Medicine	3	16.7	38	18.7	14	17.9		
Which	College of Dentistry	1	5.6	6	3.0	1	1.3		
college	College of Pharmacy	0	0.0	4	2.0	4	5.1	0.782	
are you	College of Pharmacy College of Health Sciences	12	66.7	134	66.0	51	65.4		
studyin	College of Nursing	1	5.6	12	5.9	7	9.0		
g	Healthcare Management	1	5.6	9	4.4	1	1.3		
	1 st Year	10	55.6	69	33.8	19	24.7	0.192	
	2 nd Year	4	22.2	60	29.4	20	26.0		
IIIIC	3 rd Year	1	5.6	33	16.2	15	19.5		
	4 th Year	3	16.7	36	17.6	22	28.6		
Year	5 th Year	0	0.0	6	2.9	1	1.3		