

Supplementary Table 1 Knowledge-based questions and demographics

Knowledge-based questions	Academic qualification					Research experience			Certification for GCP	
	BSc	MB BS	MP H	MSc	PhD	< 1	1-3	> 3	Yes	No
1 correct	8	28	3	5	3	25	16	6	10	37
incorrect	0	11	0	1	0	9	3	0	1	11
χ^2	5.11					2.56			1.06	
<i>P</i> -value	0.26					0.278			0.304	
2 correct	8	39	2	5	3	34	17	6	10	47
incorrect	0	0	1	1	0	0	2	0	1	1
χ^2	13.2					4.36			1.34	
<i>P</i> -value	0.010					0.113			0.247	
3 correct	7	38	3	6	2	33	18	5	10	46
incorrect	1	1	0	0	1	1	1	1	1	2
χ^2	6.87					1.99			0.450	
<i>P</i> -value	0.143					0.369			0.503	
4 correct	0	14	1	1	1	11	3	3	3	14
incorrect	8	25	2	5	2	23	16	3	8	34
χ^2	4.68					3.09			0.0157	

	<i>P</i> -value	0.321					0.213					0.900
5	correct	6	32	0	3	1	28	10	4	8	34	
	incorrect	2	7	3	3	2	6	9	2	3	14	
	χ^2	13.1					5.32					0.0157
	<i>P</i> -value	^a 0.011					0.070					0.900
6	correct	3	15	2	2	2	14	9	1	4	20	
	incorrect	5	24	1	4	1	20	10	5	7	28	
	χ^2	1.93					1.79					0.104
	<i>P</i> -value	0.749					0.409					0.747
7	correct	6	23	3	2	0	17	15	2	4	30	
	incorrect	2	16	0	4	3	17	4	4	7	18	
	χ^2	8.75					5.80					2.50
	<i>P</i> -value	0.068					0.055					0.114
8	correct	2	31	2	1	0	24	9	3	3	33	
	incorrect	6	8	1	5	3	10	10	3	8	15	
	χ^2	19.7					3.10					6.47
	<i>P</i> -value	^b <0.001					0.212					^a 0.011
9	correct	3	27	2	1	1	20	11	3	3	31	
	incorrect	5	12	1	5	2	14	8	3	8	17	

	χ^2	8.43					0.163					5.10
	<i>P</i> -value	0.077					0.922					^a 0.024
10	correct	2	14	1	3	2	12	7	3	5	17	
	incorrect	6	25	2	3	1	22	12	3	6	31	
	χ^2	2.09					0.474					0.386
	<i>P</i> -value	0.719					0.789					0.535
11	correct	8	37	3	5	3	31	19	6	10	46	
	incorrect	0	2	0	1	0	3	0	0	1	2	
	χ^2	2.42					2.32					0.450
	<i>P</i> -value	0.659					0.313					0.503
12	correct	8	34	3	5	3	29	18	6	10	43	
	incorrect	0	5	0	1	0	5	1	0	1	5	
	χ^2	2.16					1.95					0.0172
	<i>P</i> -value	0.706					0.378					0.896
13	correct	2	7	1	4	1	7	6	2	4	11	
	incorrect	6	32	2	2	2	27	13	4	7	37	
	χ^2	6.73					0.997					0.853
	<i>P</i> -value	0.151					0.607					0.356

^a*P* < 0.05.

^b*P* < 0.001.

BSc: Bachelor of Science; MBBS: Bachelor of Medicine, Bachelor of Surgery; MPH:

Master of Public Health; MSc: Master of Science; PhD: Doctor of Philosophy; GCP: Good Clinical Practice

Supplementary Table 2 Practice-based questions and demographics

Practice based questions	Academic qualification					Research experience			Certification for GCP	
	BSc	MB BS	MP H	MSc	PhD	< 1	1-3	> 3	Yes	No
1 correct	7	31	3	2	2	23	17	5	8	37
incorrect	1	8	0	4	1	11	2	1	3	11
χ^2	7.98					3.39			0.0938	
<i>P</i> -value	0.092					0.183			0.759	
2 correct	7	29	3	4	2	23	18	4	7	38
incorrect	1	10	0	2	1	11	1	2	4	10
χ^2	2.03					5.28			1.19	
<i>P</i> -value	0.731					0.071			0.275	
3 correct	6	32	3	0	2	25	14	4	5	38
incorrect	2	7	0	6	1	9	5	2	6	10
χ^2	19.0					0.131			5.15	
<i>P</i> -value	^b <0.001					0.937			^a 0.023	

4	correct	3	24	2	1	1	18	9	4	5	26
	incorrect	5	15	1	5	2	16	10	2	6	22
	χ^2	5.77					0.686			0.272	
	<i>P</i> -value	0.217					0.710			0.602	
5	correct	8	29	3	3	2	24	16	5	7	38
	incorrect	0	10	0	3	1	10	3	1	4	10
	χ^2	5.94					1.43			1.19	
	<i>P</i> -value	0.204					0.488			0.275	
6	correct	4	20	1	3	0	13	11	4	3	25
	incorrect	4	19	2	3	3	21	8	2	8	23
	χ^2	3.21					2.88			2.21	
	<i>P</i> -value	0.523					0.237			0.137	
7	correct	4	21	2	0	0	14	10	3	4	23
	incorrect	4	18	1	6	3	20	9	3	7	25
	χ^2	9.21					0.693			0.481	
	<i>P</i> -value	0.056					0.707			0.488	
8	correct	1	13	2	3	1	10	6	4	5	15
	incorrect	7	26	1	3	2	24	13	2	6	33
	χ^2	3.77					3.23			0.806	

	<i>P</i> -value	0.438					0.199			0.369	
9	correct	6	19	1	3	1	17	10	3	6	24
	incorrect	2	20	2	3	2	17	9	3	5	24
	χ^2	2.68					0.0357			0.0740	
	<i>P</i> -value	0.613					0.982			0.786	
10	correct	5	29	3	2	1	22	14	4	5	35
	incorrect	3	10	0	4	2	12	5	2	6	13
	χ^2	7.19					0.454			3.09	
	<i>P</i> -value	0.126					0.797			0.079	

^a*P* < 0.05.

^b*P* < 0.001.

BSc: Bachelor of science; MBBS: Bachelor of medicine, Bachelor of Surgery; MPH:

Master of public health; MSc: Master of science; PhD: Doctor of philosophy; GCP: Good clinical practice.