

## Fifth Year Students: Significant Concerns Survey (2012)

### Section II

Thought **skill is important** to include **in undergraduate** medicine, **but that inadequate training was provided** in the CUHK MBChB programme.

**Reason** why training was **inadequate**.

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#### A. BASIC SKILLS

	% Med 5 Concern 2012	Primary Reason Why My Training was Inadequate for this Skills / Procedure (%)							Noted Concerns (≥25%)		
		A	B	C	D	E	F	Other	2011	2010	2006
<b>GIT</b>											
Take appropriate Hx of the abdomen	1				100						
Perform appropriate Px for the abdomen	0										
Perform rectal examination	24	47	10	23	20				*	*	*
Perform a proctoscopy	31	17	6	6	72				*	*	*
Perform a sigmoidoscopy	30	3	3		84	3		6	*	*	*
Examine stool for occult blood	15	23		15	23	38					*
Perform endoscopy: Upper GI tract	16	5			95						*
Perform colonoscopy	16				100						*
<b>VAGINAL</b>											
Take appropriate genital Hx	3	25		25		50					
Perform vaginal examination	3	50	25		25						
Perform colposcopy	10	8			92						
Complete a pelvic assessment	6	29	29		43						
Perform speculum examination	2	100									
Take a cervical smear	5	50			50						
Apply a foetal monitor	6	38	25		38						
Perform colpotomy puncture	13	13			88						
Perform microscopic examination of vaginal discharge	14	18	18		27	36					
Perform pregnancy test	13		15	15	23	46					*
<b>URINE</b>											
Take appropriate Hx of urinary system	2	50	50								
Perform appropriate Px for urinary system	2	100									
Collect urine specimen in infant	22	38	8		15	38					*
Perform suprapubic aspiration	23	6		6	19	69			*	*	*
Conduct biochemical testing of urine	4		25		50	25					
Conduct microscopic examination of urine	10				33	67					*
Prepare culture of urine (dip slide)	10			11	11	78					*

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#### A. BASIC SKILLS

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<b>BLOOD</b>												
Take appropriate Hx of haematology system	4	20	60	20								
Perform appropriate Px for haematology system	2		50			50						
Obtain capillary blood - finger / heel	6	33	33	33								
Perform venipuncture - upper limb	3	100										
Perform venipuncture - external jugular vein	16	13			60	27				*	*	
Insert peripheral IV cannula	9	82		9				9				
Insert CVP line	28	6		24	47	24				*	*	*
Set up an IV infusion including blood transfusion	19	5	14	19	43	19						
Prepare and administer an IV drug (simulated)	8		17		67	17						
Obtain arterial blood sample -- radial artery	17	19		48	29	5						*
Perform blood glucose test (paper method)	3		67								33	
Perform blood glucose test using a glucometer	2			50							50	
Demonstrate adequate blood culture technique	8	25		38	25	13						
Conduct haemoglobin estimation	6		25		50	25						
Interpret Erythrocyte Sedimentation Rate (ESR)	6	20	60			20						
Stain and examine blood film	8					100						
Interpret White Blood Cell (WBC)	2	33	33			33						
Establish bleeding time	7					80		20				
Establish clotting time	2											
Perform bone marrow puncture	27	7	3	14	66	10				*	*	*
Perform bone marrow smear	18	7		7	60	27					*	*

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		A	B	C	D	E	F	Other	2011	2010	2006
<b>MICROSCOPY</b>											
Take throat swab	29	4	13	4	29	50			*	*	*
Take wound swab	23	8	8	20	36	28				*	*
Take skin swab	19		6	6	50	38				*	*
Stain and examine pus smears (urethral)	9	14	14		43	29					
Perform sputum gram stain	11	8	8		33	50					
Perform sputum Ziehl-Neelsen stain	10		10	10	20	60					*
Perform microscopic exam of skin scraping for fungus	12		9		18	73					
Demonstrate specimen handling	10		13		50	38					*
<b>BIOPSY</b>											
Perform biopsy: skin, cervix and endometrium	15		19	6	50	25					*
Perform excision biopsy	15		17		44	39				*	*
Perform needle biopsy	15		12	6	59	24				*	*
Perform fine needle biopsy for common conditions (eg. breast)	20		9	4	61	26				*	*
Perform curette biopsy	13		15		62	23					
Perform punch biopsy	14		13		53	33					*
Perform liver biopsy	15		12		65	24					
<b>BLOOD PRESSURE</b>											
Take appropriate Hx of cardiovascular system	2		50		50						
Perform appropriate Px for cardiovascular system	2		50		50						
Take blood pressure: infants, children and adults	2	33	33	33							
Insert and read central venous pressure	8	10		50	40						
Measure Doppler BP	14	8	15	8	54	15					*

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A. BASIC SKILLS

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<b>CARDIOGRAPHY</b>												
Conduct 12 lead ECG procedure	5	17	33		50							
Interpret 12 lead ECG	1					100						
Record and interpret ECG	0											
Interpret stress ECG	15		23		38	38						
Perform echocardiogram	15			8	67	17		8				
Perform coronary angiogram and angiographic procedures	11		10		60	30						
<b>PULMONARY</b>												
Take appropriate Hx of respiratory system	1				100							
Perform appropriate Px for respiratory system	1				100							
Perform function test (e.g. Mini-Wright p/flow)	10	20			40	40						
Conduct spirometry test	12	23	8	8	31	31						
Complete flow volume curves	8	25	13		50	13						
Perform a bronchoscopy	12				75	25						
<b>NERVOUS SYSTEM</b>												
Take appropriate Hx of neurological system	1				100							
Perform appropriate Px for neurological system	2	50			50							
Perform lumbar puncture on children - measure CSF pressure	15	8		46	31	15						*
Perform lumbar puncture on adults - measure CSF pressure	23			52	45	3					*	*
Perform subdural tap	14			33	42	17		8				

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<b>X-RAYS</b>											
Interpret X-ray following BA meal / enema	1				100						
Interpret intravenous pyelogram (IVP)	2		50				50				
Perform an angiography	7				67		33				
Perform a cardiac catheterization	8				71		29				
Perform gastric and pancreatic tests	8				43		57				
Perform a sonography	11		8		67		25				
Perform a CT scan	7				75		25				
Perform isotope test	10		11		67		22				
Perform and interpret a MRI	4				100						
Perform ultrasound (abdominal, obstetric)	15		7		87		7				
Perform nuclear medicine scan	10				38		63				
<b>OPHTHALMOLOGICAL</b>											
Take appropriate Hx of eyes	9	11	67		11			11			
Perform appropriate Px for eyes	12	38	54				8				
Use an ophthalmoscope	24	46	38	8			4		4	*	*
Detect corneal lesions (fluorescein)	14	8	15	8	54		15				
Test for visual acuity	2		100								
Test visual fields	1										
Test for squint	5	60		20			20				
Perform examination using slit-lamp	15	7	14	7	71						*

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<b>ENT</b>											
Take appropriate Hx of ears, nose and throat	2	33	33		33						
Perform appropriate Px for ears, nose and throat	5	83			17						
Use an otoscope with Siegle's bulb	7	100									
Use an auriscope	7	71	14		14						
Complete Rinne and Weber tests	2	50			50						
Examine nose, ear, postnasal space	4	25			75						
Complete indirect laryngoscopy	12	27		9	64						
Perform audiometry test	8	22		11	33	33					
<b>GENERAL</b>											
Take appropriate general Hx	1				100						
Perform appropriate general Px	1				100						
Measure height, weight, head circumference	1			100							
Take oral, axillary, rectal temperatures	2					100					
Perform Mantoux tuberculin test	15			29	29	35		6			*
Administer immunization and specify schedules	3	25	25		50						
Perform basic first-aid	15	25	17	25	8	17		8			
Interpret standard laboratory medicine report	0										
Interpret commonly used images (CXR, AXR, pelvis, long bones)	1					100					
Conduct electro convulsive therapy (ECT)	9			10	80	10					