

臺北醫學大學九十學年度研究所碩士班招生考試題目卷

九十學年度研究所碩士班招生筆試

科目：藥物治療學

所別：藥研

考科：藥物治療學

題目試卷共 / 張，本試卷為第 / 張

1. Please explain the meanings of Trough/Peak Ratio of cardiovascular agents and its application. (10%)
2. Please give examples and explain the meanings of the three pharmacodynamic properties of antimicrobial agents and their clinical application. (Hints: concentration-dependant bactericidal activity, concentration-independant bactericidal activity, and post-antibiotic effect) (30%)
3. Please give five examples of national or international pharmacy practice-related organizations or societies. (Be sure to write down the full correct titles) (10%)
4. The table below is cited from "CA Pedersen, PJ Schneider, JP Santell, and EJ Kelly, ASHP national survey of pharmacy practice in acute care settings: monitoring, patient education, and wellness- 2000, AJHP 57(23):2171-87." Please explain the meanings and results in this table.(20%)

Table 4.

Activities Implemented To Improve Medication Therapy Monitoring

Characteristic	n	% Respondents										
		Increased Hiring of Clinical Pharmacists	Implemented Satellite Pharmacies	Implemented Electronic Physician Order Entry	Implemented Automated Dispensing System	Redeployed Pharmacists to Patient Care Units	Implemented Decentralized Pharmacist Order Entry	Expanded Pharmacy Technician Responsibilities	Increased Access to Patient-Specific Data	Demonstrated Impact of Clinical Pharmacy Services to Administration	None of These Activities	Other
All hospitals	519	24.1	7.9	5.2	29.5	26.0	15.8	53.2	37.6	44.5	15.0	5.6
Occupied beds												
<50	219	21.6	9.1	6.4	29.2	26.5	15.5	55.3	33.8	43.8	16.4	5.0
50-99	108	26.9	11.1	5.6	31.5	31.5	18.5	50.0	41.7	44.4	13.0	5.6
100-199	125	25.6	4.0	2.4	26.4	24.8	15.2	50.4	40.8	40.0	16.0	4.8
200-299	39	23.1	0	5.1	33.3	15.4	5.1	64.1	33.3	43.6	15.4	5.1
300-399	15	26.7	6.7	6.7	25.7	13.3	13.3	60.0	40.0	66.7	6.7	20.0
≥400	13	30.8	23.1*	7.7	38.5	30.8	38.5	30.8	46.2	76.9	7.7	7.7
MSA ^a status												
Within an MSA	282	25.5	5.3	5.0	31.9	26.2	13.5	52.8	41.8	43.3	14.2	5.7
Outside an MSA	237	22.5	11.0*	5.5	26.6	25.7	18.6	53.6	32.5*	46.0	16.0	5.5
Medical school affiliation												
Yes	131	23.7	8.4	4.6	37.4	25.2	19.1	54.2	36.6	44.3	16.0	5.3
No	383	24.3	7.8	5.5	26.9*	25.8	14.6	52.5	37.9	44.9	14.9	5.7
Ownership												
For-profit	53	24.5	7.5	1.9	28.3	22.6	7.5	60.4	56.6	43.4	5.7	5.7
Nonprofit	466	24.1	7.9	5.6	29.6	26.4	16.7	52.4	35.4*	44.6	16.1*	5.6

$\chi^2 = 12.1, df = 5, p = 0.034.$

^aMSA = metropolitan statistical area.

$\chi^2 = 5.7, df = 1, p = 0.017.$

$\chi^2 = 4.8, df = 1, p = 0.028.$

$\chi^2 = 5.2, df = 1, p = 0.023.$

$\chi^2 = 9.1, df = 1, p = 0.003.$

$\chi^2 = 4.1, df = 1, p = 0.044.$

5. Please describe and explain the control measures of the classification system of controlled substance in Taiwan and give one example for each classification. (10%)

6. Please write down the brand/generic name, pharmacology/mechanism of action, clinical indication, precautions or potential drug interactions of the following new agents. (20%)

- (1) Orlistat
- (2) Atovastatin
- (3) Mifepristone
- (4) Linezolid
- (5) Rofecoxib
- (6) Neurontin[®]
- (7) Fexofenadine
- (8) Avandia[®]
- (9) Amaryl[®]
- (10) Montelukast