

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

وزارة الصحة الاتحادية  
الإدارة العامة للصيدلة

الإستراتيجية الصيدلانية ربع القرنية

2005م - 2029م

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**تقديم معالي الدكتور وزير الصحة**

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## الباب الرابع

### التصنيع الدوائي



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## الباب الخامس

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Standard Treatment )	(National Formulary)	.3
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Antimicrobial Resistance Surveillance

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## الباب السابع

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## الباب الثامن

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## الباب التاسع

### الدراسات والبحوث

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## الباب العاشر

### الممارسة المهنية و آداب السلوك المهني

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Obligations

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Guidance on obligations

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## الباب الحادى عشر

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## الباب الثالث عشر



## المراجع

### References:

- 1 *A strategy for pharmacy's Medicines Information service in the NHS. Implementation Framework UKMI. August 2000.*
- 2 Abraham J. the pharmaceutical industry as a political player. *The lancet* 2002;360 : 1498-1502
- 3 Adu A, etal. Attitudes of pharmacists and physicians to antibiotic policies in hospitals. *Journal of clinical pharmacy and therapeutics* 1999; 24:181-189.
- 4 Anderon C, health promotion in community pharmacy: *the UK situation. Patient education and counseling* 2000 ; 285-291
- 5 Ascione F, etal. Historical overview of Generic medication policy. *Journal of the American pharmaceutical Association* 2001; 41 (4): 567-577.
- 6 Ask your pharmacist .*Careers information 2001 www.askyourpharmacist.co.uk/carres.html*
- 7 Audit commission a spoonful of sugar: *medicines management in NHS hospitals .2001; Audit commission. London; UK*
- 8 Avery AJ, etal. A prescription for improvement? An observational study to identify how general practices vary in their growth in prescribing cost. *BMT* 2000; 321:276-281
- 9 Baladi JF, etal . Use of economic evaluation guidelines : *2years experience in Canada .health economics* 1998 ; 7: 221-227
- 10 Banta D. increase in global access to essential drugs sought. *JAMA*2000;183(3):321
- 11 Banta D. worldwide interest in global access to drugs *JAMA*2001;285 (22): 2844-2846
- 12 Barber N. pharmaceutical care and medicines management is there a difference ?*Pham World Sci* 2001 ; 23(6) : 210-21.
- 13 Bardelelay D, Kopp C, commentary: *concern over drug industries influence on registration .BMJ* 2001;322 :920-923
- 14 Bellingham C. pharmacy: From vision to reality. *The pharmaceutical Journal* 2001; 266:861
- 15 *Better Information for managing medicines: A strategy for pharmacy's Medicine Information Service in the NHS. UK Medicine information. April 2000.*
- 16 Bjerrum L, Bergman U. Wide Variation in the number of different drugs prescribed by general practioners. *A prescription database study. Scand J Prim Health Care* 2000; 18: 94-98.
- 17 Bond CA, etal. Clinical pharmacy services, hospital pharmacy staffing and medical errors in United States hospitals. *Pharmacotherapy* 2002; 22 (2)
- 18 Bowden J, etal . Benchmarking clinical pharmacy services . (1) *developing the standards . The pharmaceutical Journal* 2001 ; 267 : 60-65
- 19 Bussieres JF, Lefebvre P. Canada, Hospital Pharmacy Practice: *A Canadian perspective. Int. Pharmacy Journal* 2002; 16 (1): 11-13
- 20 Cantrill JA. Measuring the appropriateness of long-term prescribing in United Kingdom general practice- Is the British National Formulary The Gold Standard ?. *Journal of clinical pharmacy and therapeutics* 2000; 25:341- 346
- 21 Charatan F. Medical errors kill almost 100000 Americans a year. *BMJ* 1999; 319: 1519.
- 22 Clark JS, Vermeulen LC. Hospital pharmacy in the United States. *Int. Pharmacy Journal* 2002; 16(1): 18-19.
- 23 Collier J, Iheanacho I. the pharmaceutical industry as an informant. *the lancet* 2002 ; 360:1405-1409
- 24 Cross As .best practice in therapeutic drug monitoring .*BMJ*1998 ;46((2):95
- 25 Danzon PM. Marking sense of drug process . *Regulation* ; 23(1):56-63
- 26 Dean B, etal . Causes of prescribing errors in hospital inpatients :*a perspective study. The lancet* 2002 ; 359 : 1373-1378
- 27 Devries, TPGM, Henning R, Hogerzeil HV, Fresle DA, Guide to good prescribing . A practical Manual. *Geneva :world health orgnization;1994-WHO/DAP/94-11.*

- 28 Dukes MN. Accountability of the pharmaceutical industry , the lancet 2002 ; 360 : 1682-1684
- 29 Edmunds J, Calnan M, the reprofessionalisation of community pharmacy? An exploration of attitudes to extended roles for community pharmacists amongst pharmacists and General practioners in the United King. *social science & medicine* 2001; 53:943-955.
- 30 EMEA, The European Agency for the evaluation of medicinal products. The EMEA code of conduct. London: EMEA/D/37674/99 <http://www.eudra.org/emea.html>.
- 31 Eronen M, Nylander M. Hospital pharmacy practice in Finland. *Int. pharmacy journal* 2002; 16 (1): 32-34.
- 32 Evans JM, MacDonald TM. Record-linkage for pharmacovigilance in Scotland .*Br J pharmacol* 1999 ; 47 : 105-110
- 33 Fattore G, Jommi C. the new pharmaceutical policy in Italy .*health policy* 1998 ; 46 : 21-41
- 34 Fijn R, etal . Hospital prescribing errors :*epidemiological assessment of predictors* .*BrJ clin pharmacol* 2002; 53:326-331.
- 35 Fleming A. On the bacterial action of culture of a penicillin, with special reference to their use in the isolation of B. influenzae . *The British Journal of Experimental pathology* 1929 ; 10 : 226-236 . *Republished – Bulletin of the world health organization* 2001 ; 79(8) : 780-790
- 36 Fonseca GL, Montero N. Hospital Pharmacy practice in Costa Rica. *Int. pharmacy journal* 2002; 16(1): 27-31.
- 37 Freemantle N, etal . Sleeping with the enemy ?A randomized controlled trial of a collaborative health authority / industry interventaion to influence prescribing practice .*Br J clin pharmacol* 2002 ; 49 : 174-179
- 38 GAO: Prescription drugs .FDA oversight of direct-to-consumer. Advertising has limitations .*report to congressional requesters* 2002 .*www.gao.gov*
- 39 Gilson L, etal. Strategies for promoting equity: *experience with community financing in three African countries*. *Health Policy* 2001, 58:37-67.
- 40 Giuliani G, selke G, Garattini L, the German experience in reference pricing. *Health policy* 1998;44:73-85
- 41 Gottlieb S. is the FDA approving drugs too Fast? Probably not .but drug recalls have sparked debate. *BMJ* 1998;317:899
- 42 Grand AL, etal . Intervention research in rational use of drugs: a review health policy and planning 1999 ; 14 (2) : 89-102
- 43 Grattini L, Tediosi F, A comparative analysis of generics markets in five European countries .*health policy* 2000 ; 51 : 149 – 162
- 44 Gray A. Health systems pharmacy in South Africa, opportunities for growth and leadership. *Int. Pharmacy Journal* 2002; 16 (1) 13-17.
- 45 Green CF , etal . Attitudes and knowledge of hospital pharmacists to adverse drug reaction reporting. *BrJ Clin pharmacol* 2001;51:81-86
- 46 GREEN CF, Mottram DR, Pirmohamed M, Morner R, ROWE PH, communication regarding adverse drug reaction between secondary and primary care: *a postal questionnaire survey of general Practioners Journal of clinical pharmacy and therapeutics* 1999; 24:133-139
- 47 Greenhalgh T. Effective prescribing at practice level should be identified and rewarded. *BMJ* 1998; 316: 750-753.
- 48 Gruskin S. Loff B, Do human rights have a role in public health work ? *The lancet* 2002 360 :1880
- 49 Guiding principles for drug use at the patient and population levels. Statement of scientific policy , council of experts information executive committee . *United State pharmacopoeia . J Am Pharm Assoc .* 2001 ; 41(4):513
- 50 Hall peter. Doctors urgently need education in human rights . *the lancet* 2002 ; 360 : 1879
- 51 Harmsworth K, Lewith GT. Attitudes to traditional Chinese medicine amongst Western trained doctors in the People's Republic of China. *Social Science and Medicine* 2001; 52:149-153.
- 52 Hassel K, etal. Managing ,demand: transfer of management of self limiting conditions from general reactive to community pharmacies. *BMJ* 2001;323:146-147
- 53 Henry D, lexchin J . The pharmaceutical industry as a medicines provider. *The lancet* 2002 ; 360 : 1590-1595
- 54 Hollio A. the importance of being first: evidence from Canadian generic pharmaceuticals .*health Econ .* 2002 ; 11 : 723-724.
- 55 John A, show JP. Community pharmacists , perspective on pharmaceutical care implementation in Newzeland. *pharm world Sci* 2002 ; 24(6):224-230

- 56 John Abraham . Making regulation responsive to commercial interests: *streamlining drug industry watchdogs* *BMJ*2002;325:1164
- 57 Josefon D. drug companies face pressure on profile. *SMJ* 2002;324 : 65.
- 58 Jung H. Hospital Pharmacy in Mexico. *Int Pharmacy Journal* 2002; 16(1) 23-25.
- 59 Kahns AH, Nielsen G. Hospital pharmacy practice in Denmark. *Int pharmacy journal* 2002; 16(1): 34-37.
- 60 Kansanaho H. etal. Patient counseling profile in a finish pharmacy. *patient education and counseling* 2002; 47 : 77-82
- 61 Kindermans JM, Matthys F. introductory note: *the access to essential medicines campaign* . *Tropical medicine and international health* 2001, 6(11):955-956
- 62 Kirking DM, etal . Economics and structure of the generic pharmaceutical industry .*J Am pharm Assoc* .2001 ; 41(4) : 578-584
- 63 Kmietowicz 2. Medicines Control Agency must be more open .*BMJ* 2003; 326:119
- 64 Kumar S. Drug linked to child deaths is still available in India .*BMJ* 2003; 326:70
- 65 Laaksonen R, etal Desire for information about drug: *relationship with patients characteristics and adverse effects*. *Pharm world Sci* 2002;24(5):205-210
- 66 laing RO, Hogerzeil HV, Ross-Degnan D. Ten recommendation to improve use of medicines in developing countries. *Health policy and planning* 2001;16(1):13-20
- 67 Lakshmi PK, etal. The Changing Status of Hospital Pharmacy Practice in India. *Int pharmacy Journal* 2002; 16(1): 20-23.
- 68 Layton D, etal . Pharmacovigilance of over-the-counter product based in community pharmacy :methodological issues from pilot work conducted in Hampshire and Grampian UK. *Pharmacoepidemiology and drug safety* 2002 ; 11 : 503-513.
- 69 Leape LL, etal .Pharmacist participation on physician rounds and adverse drug events in the intensive care unit . *JAMA* 1999 ; 281(3) : 267-270 .
- 70 Lo B, Alpers A. uses and abuses of prescription drug information in pharmacy benefits management programs. *JAMA*2000;283(6):801-806.
- 71 Loff B. No agreement reached in talk on access to cheap drugs .*the lancet* 2002 ; 360 : 1951
- 72 Lopert R, etal . Differential pricing of drugs: *a role for cost effectiveness analysis ?* *The lancet* ; 359 : 2105-2107
- 73 Lopez-Casasnovas G , Puig-Junoy J, Review of the literature on reference pricing. *Health policy* 2000; 54:87-123.
- 74 Majeed A, Head S. *Capitation based prescribing budgets will not work*. *BMJ* 1998; 316 748-750
- 75 Maselli JH, etal. Pharmacoepidemiology report, Measuring antibiotic prescribing practices among ambulatory physicians: *Accuracy of administrative claims data*. *Journal of clinical epidemiology* 2001; 54: 196-201
- 76 Mc Letten F. Us government report released on deceptive drug advertisement: *The lancet* 2002 ; 360 :1951
- 77 MeG ettigan P. etal . Prescribers prefer people: The sources of information used by doctors for prescribing suggest that the medium is more important than the message .*Br J clin pharmacol* ;51:184-189
- 78 Mert OM, etal . Direct to consumer advertising is medicalising normal human experience. *BMJ* 2002; 324 : 910-911
- 79 Mobach MP. From the laboratory to pharmaceutical care research -*part 1 pharm world Sci* 2001 ; 23(6) : 205 - 209
- 80 Mobach MP. Pharmaceutical care research: Hard or soft ?*part 2 . Pharm world Sci* 2002 ; 24 (1) : 1 - 4
- 81 Modernising medicines management: *A guide to achieving benefits for patients, professionals and the NHS (book1)*. 2001; *national prescribing center and national primary care research and development center* . London .UK.
- 82 Moen E, etal . Pricing and reimbursement of pharmaceuticals . A new culture for the community pharmacist. *pharm world management Sci* 1998 ; 20 (3): 107-112
- 83 Morgall JM, Almarsdottir AB. NO struggle, no strength :*how pharmacists lost their monopoly*. *Social science & medicine* 1999;48 1247-1258.
- 84 MSH . Rational Pharmaceutical Management project 2001 .[www.msn.org/project/rpm/tools.html](http://www.msn.org/project/rpm/tools.html)
- 85 Nabeshima Thasegawa M. Hospital Pharmacy in Japan. *Int.pharmacy Journal* 2002; 16 (1): 6-10.
- 86 Nair KV, etal. An organizational tool to describe and evaluate group performance in the health care setting. *Jam pharm Assoc*. 2001; 41 (4): 608-617.
- 87 Orbinski J. market enticements are not enough. *Bulletin of the world health organization* 2001 ; 79(8) : 776-777

- 88 Pecoul B, chirac P, trouiller P, pinel J. Access to essential drugs in poor countries A lost Battle? *JAMA* 1999; 281(4):361-367.
- 89 Perez-casas C, Herranz E, Ford N. Pricing of drug and donations: Options for sustainable equity pricing. *Tropical medicine and international health* 2001;6(11):960-964.
- 90 Peterson GM, et al. Pharmacists' attitudes towards dispensing errors: Their causes and prevention. *Journal of clinical pharmacy and therapeutics* 1999; 57-71.
- 91 Pharmacist prescribing. A report to health ministers . UK 2001 .[www.rpsgb.org](http://www.rpsgb.org)
- 92 Pitaknetinan K, Tangcharoensathien V, Supachutikul A, Bemmeth S, Mills A. Profit, payment and pharmaceutical practices: Perspectives from hospitals in Bangkok. *Health policy* 1999;46:179-194.
- 93 Pollock AM, Price D. . Rewriting the regulations: How the world trade organization could accelerate privatization in health-care system .*the lancet* 2002 ; 2000 ; 356 : 1995-2000
- 94 Primary care pharmacists. *National prescribing center and NHS executive* 1999. London.UK.
- 95 Principles of practice for pharmaceutical care .2001 .<http://www.aphanet.org/pharmacare/pronprace.html>
- 96 Pronk M, et al. Community pharmacy and patient-oriented activities . The Dutch case . *Patient education and Counseling* 2002 ; 46 :39-45
- 97 *Proposal for the establishment of the drug information center – Department of Pharmacy – MoH – KS, 2000.*
- 98 Propper C, Soderlund N. Competition in the NHS internal market : an overview of its effect on hospital prices and cost. *Health ECO.* 1998 ; 7 : 187-197
- 99 Qualified person in the pharmaceutical industry. Institute of Biology Royal pharmaceutical Society of Great Britain & Royal Society of chemistry. Guide to the knowledge and practical experience required by qualified persons in the pharmaceutical industry, *study guide* 2000. Version 1.
- 100 Quick JD, et al .Managing Drug Supply .2nd ed .west hatford , USA. Kumarian press;1997
- 101 Quick JD, Hogerzeil H, Vekasqyez G, Ragol. Twenty-five years of essential medicines .*Bulleting of the world health organization*2002;80(11):913-914
- 102 Quik JD. Partnership need principles .*Bulletin of the world health organization* 2001 ; 79 (8) : 776
- 103 Ratanawijitrasin S, et al . Do national drug policies and essential drug programmes improve drug use ? A review of experiences in developing countries . *Social science medicines* 2001 ; 53 : 831-844
- 104 Real world pharmacy: Assessing the quality of private pharmacy practice in the Laos people's Democratic Republic. *Social science and medicine* 2001 ; 52 : 393-404
- 105 Reeve JF, et al. Programme to improve the use of drugs in older people involve general practitioners in community education. *Journal of clinical pharmacy and therapeutics* 1999; 24: 289-297.
- 106 Roberts I, Wanpo AL, Chalamers I, intellectual property , drug licensing , freedom of information , and public health . *The lancet* 1998 ; 352 : 726-729
- 107 Rogers A, European parliament approves pharma law overhaul .*the lancet* 2002 ; 360(?):1397-1398
- 108 Royal pharmaceutical society of Great Britain .Building the future: A strategy for a 21st century pharmaceutical services . *Royal pharmaceutical society of Great Britain*1997
- 109 Royal pharmaceutical Society of Great Britain .*professional standard directorate Fact sheet : six Advertising .* [www.rpsgb.org](http://www.rpsgb.org)
- 110 Scala D, et al . Italian drug information center: Benchmark report. *Pharm world Sci* 2001 ; 23(6):127-223
- 111 Schirm E, et al . Drugs use of children in the community assessed through pharmacy dispensing data . *Br J clin pharmacol* 2000 ; 20 : 473-478
- 112 Schnurrer JU, et al . Drug expenditure in hospitals: What do German ward physicians know? *Br J clin pharmacol* 2000 ;51 : 342-344
- 113 Shanlian HU, et al . Pharmaceutical cost-containment policy: Experience in Shanghai , china . *health policy and planning* 2001 ; 16(2) ;4-9
- 114 Short C. report to prime minister: *UK working group on increasing access to essential medicines in the developing world .policy recommendations and strategy.* Nov2002
- 115 Slobodan M, et al .An analysis of drug use indicators in primary care health facilities operating in the city of Kragujevac.2001 .<http://www.priory.com/fam/kosovo.html>
- 116 Smecka V, Gasim I; Neuwirth O, Faculty of pharmacy . University of Khartoum: *development in Sudan* .*Sudan pharmacy* 1967; 1(5) :11-23

- 117 Somerset M, etal. Dramaturgical . Study of meetings between several practioners and representative of pharmaceutical companies.2001;323:1481-1484
- 118 Spivey RN. Etal 1992. international pharmaceutical services. The drug industry and pharmacy practice in Twenty - three major countries of the world . *New Yourk .London Norwod (Australia) . Pharmaceutical products press*
- 119 Sudan National Comperhensive Strategy: 1992- 2002
- 120 Sudan National Drug Policy 1997
- 121 Sudan Pharmacy and Poisons Act 2002
- 122 Sykes R. penicillin: From discovery to product.*Bulletin of the world health orgnization 2001 ; 79(8) : 778-779*
- 123 The national strategy for quality use of medicines - Australia .*health and aging .www*
- 124 The right medicine: A strategy for pharmaceutical care in Scotland. *Scotish executive*
- 125 Thielke T. FIP, The Hospital pharmacy section. *International pharmacy Journal 2002; 16(1): 2-5.*
- 126 Trap B, etal . The impact of supervision on stock management and adherence to treatment guidelines : *a randomized controlled trial . Health policy and planning 2001 ; 16(3)273-180*
- 127 Uzochukwu B, etal . Effect of the bamako- initiative drug revolving fund on availability and rational use of drugs in primary health care facilities in south-east Nigeria. *Healthy policy and planning 2002 ; 17(4) :378-383*
- 128 Vermeire E, Hearnshow H, van Royen P, denekens J, patient adherence to treatment:three decades of research. A comprehensive review.*Journal pf clinical pharmacy and therapeutic,2001;26:331-342*
- 129 Walley T. etal . An integrated national pharmaceutical policy for the united Kindom? *BMJ2000; 321 : 1523-1526*
- 130 Wazana A, phaysicians and the pharmaceutical industry as a gift ever just a gift ?*JAMA 2000; 283(3) : 373-380.*
- 131 Weingart S, etal. Epidemiology of medical error. *BMJ 2000; 320:774-777.*
- 132 WHO . Traditional medicines - Growing needs and potential , *WHO policy perspectives on medicines 2002 ; 2 : 1-5.WHO /EDM/2002.4.*
- 133 WHO counterfeit drugs- :guidelines for the development of measures to combat counterfeit drug. *Geneva : world health orgnization;1999.WHO/EDM/QSM/19901.*
- 134 WHO Guidelines for drug donations, 2nd ed .interagency guidelines. *Geneva, world health orgnization;1999. WHO/EDM/PAR 99.4*
- 135 WHO Medicines strategy :*frame work for action in essential drugs and medicines policy 2000-2003 ;Geneva WORLD worlz health organization; 2000.WHO/EDM/2000.1*
- 136 WHO strategy materials for pharmaceutical products: *Control and safe trade . Geneva : world health organization ; 1998 . WHO/pharm/98.6055*
- 137 WHO the role of the pharmacists in self-care and self-medication. report of the 4th Who Consultative group on the pharmacists .*Geneva :world health organization ;1998. WHO/DAP/98.13.*
- 138 WHO. Certification scheme on the quality of pharmaceutical products moving in international commerce . *Geneva: world health orgnization;1997.WHO/PHARM/80.4.*
- 139 WHO. Guidelines for the safe disposal of unwanted pharmaceuticals in and after emergencies. interagency guidelines. *Geneva :world heath orgnization;1999. WHO/EDM/PAR/199.2*
- 140 WHO. How to develop and implement a national drug policy .*2nd ed .Geneva: world health orgnization,2001*
- 141 WHO. Public - private Roles in the pharmaceutical sector . *specifications for equitable access and rational drug use . Geneva WHO 1997 . WHO/DAP/97.12.*
- 142 WHO. Ethical criteria for medicinal drug promotion .*Geneva :world health orgnization.1988*
- 143 Wick JY, Zanni R informed consent : what every pharmacist should know. *J Am pharm Assoc . 2001 ; 41(4) : 523-527*
- 144 Williams D, Kelly A, Feely J. Drugs interactions avoided-a useful indicator of good prescribing practice . *Br J clim pharmacol ; 49 : 369 - 372*
- 145 Yap P. Hospital Pharmacy Practice in Singapore. *Int. Pharmacy Journal 2002; 16(1): 25-27.*
- 146 Zweygarth M, Summers RS. A national database for essential drugs in South Africa .*pharm world Sci 2000 ; 22(3) :116-117*

