Slide 1	Regulation of Medicines Professor Mark McKeage Department of Pharmacology and Clinical Pharmacology and Auckland Cancer Society Research Centre	
	MBChB Year 5 30 June 2017	
Slide 2	History of Drug Regulation 1906: Some medicines had harmful ingredients (eg heroin) US regulations introduced prohibiting misbranded or adulterated drugs or food 1937: Elixir Sulfanilamide Disaster Regulations revised to require new drugs to undergo safety testing; regulatory approval before marketing; adequate labelling of medicines; prohibition of false therapeutic claims; inspection of manufacturing facilities 1962: Thalidomide Disaster Regulations reviewed to require new medicines proven to be safe and effective; clinical trials adequate and well controlled; regulatory approval for clinical trials; Animal testing of safety of trial participants	
Slide 3	Regulation of Medicines • Why have drug regulations? - To assure practitioners and patients about the chemical content efficacy and safety of medicines - To balance the requirements of the public for safe medicine with those of the pharmaceutical industry to make a profit • What do drug regulations define? - Rules on manufacturing and purity of medicines - Animal data required before human studies start - Levels of safety and efficacy required for approval for marketing - Claims that can be made in drug advertising	

Slide

New Zealand Drug Regulation

Medicines control in New Zealand enforced by:

- The Medicines Act of 1981
- Medicines Regulations of 1984
- •Misuse of Drugs Act 1972

Impose controls on clinical trials, manufacture, distribution, advertisement and sale of medicines

http://www.medsafe.govt.nz/



"Medsafe's mission is to enhance the health of New Zealanders by regulating medicines and medical devices to maximise safety and benefit."

Slide 5

Approval for Marketing a Medicine in NZ

- Application to market a new medicine in New Zealand must be made to the Minister of Health by a New Zealand resident or company.
- Applications are reviewed by the Ministry of Health, or advisory committees (Medicines Assessment Advisory Committee).
- Recommendation is made to the Minister.
- Medicine may be distributed and advertised after notice of ministerial consent has been published in the New Zealand Gazette (official newspaper of the New Zealand Government published weekly).
- Minister of Health must be advised of any material change to the existing

Slide

Labelling

- Part of the drug approval process consists of writing a "drug label"
- Contains data on the pharmacological actions, approved use, side effects and dosing of the drug for prescribers
- Content of the label is defined by law

http://www.medsafe.govt.nz/profs/Datasheet/DSForm.asp http://www.medsafe.govt.nz/consumers/educational-material/Hormonal%20Contracept

Slide 7	Approval of a Clinical Trial in NZ	
	Approval of a chilical fillal liftwz	
	 Any clinical investigation of an unregistered medicine or registered medicine for a new indication requires approval 	
	submission of all preclinical and clinical data and clinical trial	
	 applications assessed by The Health Research Council Standing Committee of Therapeutical Trials (SCOTT) 	
	Regulation of Drug Distribution in NZ	
	 Controlled by a series of licences for manufacturers, packers, wholesalers and pharmacies 	
	 Inspections are carried out to ensure compliance with manufacturing and distribution regulations 	
	 New Zealand dependant on overseas authorities for regulating manufacture of imported medicines 	
Slide 8		
0	Medicines Classification in New Zealand	
	Occurs after a medicine is approved for marketing	
	 Classified according to any restriction of its point of sale 	
	 Determine by an external advisory committee to the Ministry of Health (Medicines Classification Committee) 	
	According to point of sale:	
	 Prescription medicines, 	
	 can only be obtained on a prescription issued by a registered medical practitioner 	
	Restricted medicines,	
	 can only be sold personally by a pharmacist and the sale is recorded 	
	 General sales medicines, 	
	 available without any restriction on point of sale. 	
Slide 9	Controlled Drugs: Misuse of Drugs Act 1975]
	Class A: virtually all prohibited, high potential for abuse, not used	
	 Class B: high potential for abuse but accepted medical use eg. morphine, amphetamine 	
	Class C: lower potential for abuse eg. codeine, pholcodine, barbiturates	
	Misuse of Drugs Regulations 1977	
	Class A or B prescriptions written on special form provided by the Director General of Health maximum supply 1 month, no repeats Class C maximum supply 1 month, 2 repeats	
	 maximum supply 1 month, 2 repeats Dispensing of controlled drugs is recorded in a controlled drug register and prescription book 	

Slide 10	Legal Requirement of Prescriptions: Medicines Regulations of 1984	
	 Legibly and indelibly printed signed, dated by prescriber address of prescriber title, surname, initial, date of birth (if < 13 yrs) of the person for the prescription given name, strength, amount, dose, frequency of medicine number of occasions that the medicine will be supplied quantity not to excess 3 months supply 	
Slide 11	Prescribing Unapproved Medicines A medicine for which consent has not been given by the Minister of Health for sale, distribution or marketing Can you prescribe an unapproved medicine? Section 29 of the Medicines Act allows the sale or supply of unapproved medicines Supplier must notify the Director-General of Health (via Medsafe) Detailed records must be kept The patient should be fully informed	
Slide 12	PHARMAC: Pharmaceutical Management Agency Ltd • Manages pharmaceutical subsidies in New Zealand • decides - which pharmaceuticals are subsidised • level of subsidy • whether special authority or guidelines apply • advised by Pharmacology and Therapeutics Advisory Committee (PTAC) Pharmaceutical Schedule	
	Published by PHARMAC to notify of drug subsidies Lists subsidied modisines, guidelines and conditions	

Lists subsidised medicines, guidelines and conditions