

# Authorised Pharmacist Prescriber

A hidden asset for NHI

## PHARMACY

SHAPING THE FUTURE



# History

- Pharmacist's role defined in Pharmacy act
- Family planning pharmacist 1991 – training by DOH personnel
- Immunization pharmacist 1992 – training by FET
- PCDT & Sec 22 permits – Nov 1992
- Additional services
- Fee for services supplied by pharmacists



IT'S HARD TO EXPLAIN, BUT IT HURTS  
RIGHT HERE.

# PCDT

- Original group trained by accredited FET
- Undergrad training at 2 universities
- Competency assessment performed by special committee
- Qualification registered by SAPC
- Permit issued by DOH according to need in community & based on specific conditions and medicines
- Approximately 110000 patients per year treated without a clinical complaint to SAPC (equivalent to 1.6million to date)

# PCDT updated

- Disease specific
- STG aligned with Primary care EML
- All changes in STG's be reflected in PCDT guidelines
- Process of implementation and inclusivity set in motion
- All candidates to successfully complete an accredited workshop – both permit-holders and others with registered qualifications
- Clinical and diagnostic skills upgraded

CONDITION	SECTION	PAGE NO	ICD 10 CODE	NOTES
<b>Gastro-intestinal conditions</b>				
Diarrhoea, chronic, in adults (Giardiasis)	2.9.4	2.15	K52.9	This is treatment of Diarrhoea for more than two weeks. The standard treatment guidelines requires that the practitioner provides empiric treatment for giardiasis before referring patients.
Nausea and vomiting, non-specific	2.4	2.5	R11.2	
Dyspepsia, heartburn and indigestion	2.2	2.3	K30/R12	Practitioner to provide standard treatment as per standard treatment guidelines for 14 days and if symptoms recur after 14 days, refer to a doctor.
<b>Skin conditions</b>				
Acne vulgaris	5.3	5.4	L70.0	
<b>Obstetrics and gynaecology</b>				
Dysmenorrhea	6.10	6.25	N94.6	
<b>Family planning</b>				
Contraception, injectable	7.2.2	7.7	Z30.9	Injection technique is part of the PCDT training. The administration of injections is routine practice.
Contraception, oral	7.2.3	7.8	Y42.4	
	<b>Combination of estrogen and progestin in each pill:</b>			
	7.2.3	7.8	Y42.4	
<b>Kidney and urological disorders: urinary tract infection</b>				
Uncomplicated cystitis (Adults)	8.4	8.10	N39.0	
Complicated cystitis (Adults)	8.4	8.10	N39.0	
Complicated cystitis for pregnant women	8.4	8.10	N39.0	
<b>Infections and related conditions</b>				
Pyrexia (= Fever in STG)	10.1	10.2	R50.9	Antipyretic agents are not indicated with the sole aim of reducing body temperature in children and adults with fever
<b>Musculoskeletal conditions</b>				
Gout, acute	14.4.1.	14.4	M10.9	
Osteoarthritis	14.5	14.6	M19.9	
Arthritis, rheumatoid	14.2	14.3	M06.9/M05.9	

# Applied Pharmacotherapy

- Only present accredited route to PCDT qualification
- 2year post graduate distance learning and practical training
- Pharmacotherapy 1 & 2 - 1 semester each
- Applied pharmacotherapy – 2 semesters with compulsory 2 day workshop
- Portfolio of 200 cases covering all required disease states
- OSCE to assess competency
- Presented by NWU as a distance learning short course diploma

# Pharmacotherapy 1

To supply knowledge and skills in health care examinations for primary screening and monitoring services, as well as background in the management of acute minor ailments of the neurological system, the eyes, the oral cavity, the ear, nose and throat in pharmacy. The course includes firstly primary screening and monitoring services in the pharmacy, secondly an introduction to basic pharmacotherapy and the necessary skills to communicate a comprehensive patient history. It thirdly includes theoretical guidelines for the basic physical examination of a patient in a Primary care setting



## Pharmacotherapy 2

- To supply further knowledge and skills in the management of acute minor ailments as well as insight into the care of patients with chronic diseases. The course endeavours to supply knowledge and skills on the rational treatment and the referral of patients to secondary care level. It aims at the implementation of the principles of pharmacotherapy in a holistic pharmaceutical plan. The material covers the aetiology, symptoms and signs, and treatment of a range of disorders including:

# Pharmacotherapy 2

- Neurological disorders;
- ophthalmologic disorders;
- the oral cavity;
- gastro-intestinal disorders;
- ear nose and throat disorders;
- upper and lower respiratory tract disorders;
- cardiovascular disorders;
- diabetes;
- muscular-skeletal disorders;
- skin infections;
- urine tract infections;
- sexually transmitted diseases and;
- HIV/Aids

# Applied Pharmacotherapy

- The student will illustrate practical knowledge and apply skills of pharmaceutical care.
- The student will be able to demonstrate, clinical examination skills, the conducting of screening tests, the recognition of diseases, and the clinical management of conditions at primary health care level.
- The student will be able to demonstrate competency in applying specialized clinical skills and services such as: Anaphylaxis management, immunization, and the administration of intra-muscular and sub-cutaneous injections and the documentation of health examinations.
- The student will clinically assist in the face-to-face consultation and management of a minimum of 200 clinical cases under the direct supervision of a qualified professional health care worker.
- The student will have developed sufficient practical and clinical competency at primary health care level to do physical patient health examinations and the relevant clinical investigations

# Clinical Pharmacist's Nightmare



# Additional Services

- Specified within the Pharmacy act
- Governed by GPP
- Fees calculated by independent study commissioned by SAPC & published
- Reaction by other practitioners
- Part of clinical and diagnostic skills
- Allied to embedded knowledge of pharmacology these skills would allow a pharmacist to monitor and adjust treatment for chronic diseases

# Outside scope ??



TRUST ME I'VE BEEN DOING THIS  
FOR THE PAST 50 YEARS !

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- 2 specific areas where skills could be applied:
  - 1 a. Chronic disease monitoring and treatment after diagnoses and initial treatment plan
    - b. Changes made within agreed protocols to comply with set targets e.g. BP, BG and Cholesterol levels
    - c .12monthly re-assessment by initial diagnostician
  - 2 Assessment, diagnosis and prescribing of appropriate therapy as per EML

# HET Qualification Framework & Rules

- Postgraduate Diploma in Pharmacy
- NQF level 8
- Total credits: 120
- Minimum admission: B.Pharm
- Fundamental component : 45 credits
- Core component: 60 credits
- Elective component: 15 credits



# Scope of Practice for PAP

- History taking
- Physical examinations
- Assessment of diagnosed conditions listed in EML
- Ordering, conducting and interpretation of lab tests
- Interpretation of the assessment/diagnosis
- Decision on safe and appropriate therapy as per EML
- Prescribing or adjusting medicines according to STG
- Monitoring the outcomes of therapy
- Referral to another health care provider where appropriate

# Exit Outcomes Levels or Competencies

- Demonstrate clinical, pharmacological and pharmaceutical knowledge to diagnose and treat conditions listed in the EML
- Ensure quality prescribing practice
- Perform the required clinical assessment to make a diagnosis
- Formulate a treatment management plan
- Implement the treatment plan and monitor therapeutic outcomes
- Evaluate the patient assessment and management processes of selected cases to ensure good clinical practice

# Benefits to Community

- Additional available resource
- Potential another 2000 PHC clinics
- No additional capital investment for state
- Potential for inter-professional partnerships
- Highly trained resource to relieve the monitoring and treatment of Chronic disease burden
- Health education support
- Chronic disease screening centres