

الخطة البحثية الخمسية ٢٠٢٠-٢٠٢٤

كلية الطب جامعة المنيا قسم الفارماكولوجي

أولا: نبذة عن القسم:

قسم الفارماكولوجي هو احد الاقسام الاكاديمية الهامة بكلية الطب وللقسم اسهامات علمية ومشاركات في تطوير الكلية وخدمة المجتمع المحلي واعداد كوادر من حملة الماجستير والدكتوراة في علم الفارماكولوجي .

*يقع القسم بالدور الثالث بالمبنى الحديث لكلية الطب خلف متحف الفن الحديث بالحرم الجامعي

*يضم القسم ٤ استاذا و٥ استاذا مساعدا و٥ مدرسين و٥ من معاوني اعضاء هيئة التدريس

ثانيا: رؤية القسم:

أن يحتل قسم الفارماكولوجي مكانا مرموقا بين اقسام الفارماكولوجي علي المستوى المحلي

وأن يرتقي بالبحث العلمي خاصة في مجال علم الأدوية

ثالثا: رسالة القسم:

يهدف قسم علم الفارماكولوجي بكلية الطب جامعة المنيا الي تعليم الطلاب الأستخدام الأمثل للأدوية من حيث كيقية اختيار الدواء المناسب و طريقة إعطاء الدواء و حساب الجرعه و الالمام التام بالأثار السلبية وكيفية تجنبها بما ينعكس ذلك على صحة و نهضة المجتمع.

رابعا: فريق اعداد الخطة:

مشاركة كل أعضاء مجلس قسم الفارماكولوجي

خامسا: آلية اعداد الخطة البحثية:

- ١- الاطلاع علي الخطة البحثية السابقة.
- ٢- الاطلاع علي الخطة البحثية للجامعة.
- ٣- استبيان اعضاء هيئة التدريس في الخطة البحثية ومقترحاتهم
- ٤- حلقات نقاشية بالقسم حول الخطة
- ٥- عرض مقترح الخطة علي اعضاء القسم لابداء آرائهم ومقترحاتهم.

سادسا: تقرير مفصل عن الخطة البحثية السابقة:

Pharmacology Department research plan of (2015-2019) Report

Objectives and/or publications	Form of achievement	Title
Potential protective effect of etanercept and aminoguanidine in methotrexate induced hepatotoxicity and nephrotoxicity in rats. Eur J pharmacol.	PhD thesis All thesis was completely finished and published	Effect of heme oxygenase-1 inducer (hemin), tumor necrosis factor alpha antagonist (etanercept) and inducible nitric oxide synthase inhibitor (aminoguanidine) on methotrexate-induced nephron-and-hepatotoxicity in rats
1- Possible Protective Effect of Diacerein on Doxorubicin-induced Nephrotoxicity in Rats. Marwa M.M. Refaie, Entesar F. Amin, Nashwa F. El-Tahawy and Aly M. Abdelrahman. Hindawi Publishing Corporation. Journal of Toxicology Volume 2016, Article ID 9507563. 2- Marwa M.M. Refaie, Salwa A. Ibrahim , Shaimaa A. Sadek and Aly M. Abdelrahman. Role of Ketotifen in Methotrexate-induced Nephrotoxicity in Rats.Egyptian Journal of Basic and Clinical Pharmacology. December 2017, Vol. 7, No.2: 37-46.	PhD thesis All thesis was completely finished and published	Effect of Leuketriene Receptors Antagonists, Mast Cell Stabilizers and Interleukin1 Receptors Antagonists in Different Models of Drug-Induced Nephrotoxicity in Rat
1- Effect of Sofosbuvir Plus Daclatasvir in Hepatitis C Virus Genotype-4 Patients:Promising Effect on Liver Fibrosis 2- Hepatic effect of sofosbuvir and daclatasvir in thioacetamide-induced liver injury in rats	PhD thesis All thesis was completely finished and published	Effect of direct acting antihepatitis C virus in liver injury
Allopurinol potentiates the hepatoprotective effect of metformin and	PhD thesis	Potential drug therapies in non alcoholic fatty liver disease

vitamin E in fructose-induced fatty liver in rats	All thesis was completely finished and published	
1. Effect of captopril and telmisartan on methotrexate-induced hepatotoxicity in rats: impact of oxidative stress, inflammation and apoptosis 2. Effect of Metformin and Sitagliptin on Doxorubicin-Induced Cardiotoxicity in Rats: Impact of Oxidative Stress, Inflammation, and Apoptosis	PhD thesis All thesis was completely finished and published	Effect of some antioxidant, antihypertensive and antidiabetic drugs on the toxicity of some antineoplastic drugs in rats
Effects of Liraglutide and Vitamin E in Fructose-Induced Metabolic Syndrome in Rats	Master thesis All thesis was completely finished and published	Effects of Liraglutide and Vitamin E in Fructose-Induced Metabolic Syndrome in Rats
Hum Exp Toxicol. 2020 Mar;39(3):249-261. doi: 10.1177/0960327119883412. Epub 2019 Oct 22. Purine versus non-purine xanthine oxidase inhibitors against cyclophosphamide-induced cardiac and bone marrow toxicity in rats	Master thesis All thesis was completely finished and published	Effect of xanthine oxidase inhibitors on myelopoietic and cardiac toxicity in cyclophosphamide-treated rats
1. Curr Clin Pharmacol. 2019;14(1):61-67. doi:10.2174/1574884713666180903163558. Role of Nrf2/HO-1 and PI3K/Akt Genes in the Hepatoprotective Effect of Cilostazol 2. Toxicol Mech Methods. 2019 Feb;29(2):146-152. doi: 10.1080/15376516.2018.1528648. Epub 2018 Dec 21. Nephroprotective effect of cilostazol and verapamil against thioacetamide-induced toxicity in rats may involve Nrf2/HO-1/NQO-1 signaling pathway	Master thesis All thesis was completely finished and published	Effect of cilostazol on thioacetamide-induced hepatotoxicity and nephrotoxicity in rats

<p>3. Hum Exp Toxicol. 2019 Apr;38(4):381-388.doi: 10.1177/0960327118817099. Epub 2018 Dec 9. PI3K/Akt and Nrf2/HO-1 pathways involved in the hepatoprotective effect of verapamil against thioacetamide toxicity in rats</p>		
	<p>Master thesis All thesis was completely finished</p>	<p>The effect of levosimendan on doxorubicin induced cardiotoxicity and nephrotoxicity</p>

Pharmacology Department research plan of (2020-2024) Report

Objectives and/or publications	Form of achievement	Title
	PhD thesis Experimental study was finished and results were obtained	Possible protective effects of rupatadine and mirtazapine on acetic-acid induced colitis in rats
	PhD thesis Experimental study was finished and results were obtained	Pharmacological modulation of methotrexate induced multiple organ damage in rats.
	PhD thesis	Pharmacological modulation of benign prostatic hyperplasia and endometrial hyperplasia induced in rats
	PhD thesis Experimental study was finished and results were obtained	Possible role and underlying mechanisms of lipoxin A4 in chemotherapy induced cardiotoxicity and nephrotoxicity in rats
	PhD thesis Experimental study was finished and results were obtained	Ameliorative effect of naringenin and vanillin on cadmium induced reproductive toxicity in rats
	PhD thesis Experimental study was finished and results were obtained	The effect of thymol ,diacerin, 5-fluorouracil and their combination on treatment of trichloroacetic acid-induced liver injury in rats
Protective effect of febuxostat in sepsis-induced liver and kidney injuries after cecal	Master thesis	The potential protective role of xanthine oxidase inhibitor febuxostat in a model of

ligation and puncture with the impact of xanthine oxidase, interleukin 1 β , and c-Jun N-terminal kinases. Human and Experimental Toxicology. Vol. 39(7) 906–919. DOI: 10.1177/0960327120905957. SAGE Journal publisher	All thesis was completely finished and published	caecal ligation and puncture in rats
	Master thesis	The possible role of cilostazol and mast cell stabilizer in lipopolysaccharides- induced acute lung injury in rats
	Master thesis	Effects of phosphodiesterase inhibitors and interleukin 1 b antagonist on chemotherapy-induced lung injury in rats
	Research activities by staff members	Pharmacological modulation of different models of drug-induced -multiple organs damage.

Head of Department

Professor Dr. Mohamed Abdellah Ibrahim