**Department-wise Statistics**

**Name of the Department :- Pharmacology**

1. **Staff requirement:-**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Designation** | **As per** **MSRR** | **Sanctioned** **Strength** | **Men-in-position** | **Vacant since** |
| **Professor** | **1** | **1** | **1** | **0** |
| **Associate Professor** | **2** | **3** | **3** | **0** |
| **Asstt. Professor** | **3** | **4** | **4** | **0** |
| **Tutor** | **4** | **7** | **7** | **0** |
| **Lab Attendants** | **2** | **2** | **2** | **0** |
| **Store-keeper/computer operator** | **1** | **1** | **1** | **0** |
| **Sweeper** | **2** | **3** | **3** | **0** |

1. **Availability of infrasturcutre (As per MSRR 1999)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr.No** | **Prescribed norms** | **Actual Status** | **Remarks** |
| **1.** | **Three Demonstration Rooms*** **Over head Projectors**
* **Slide projectors**
* **Video**
* **Audio-visual aids**
* **60-75 students**
 | **2 demonstration rooms****2 overhead projectors****1 slide projector****Nil****Yes****Capacity of 75 students per demonstration room** |  |
| **2.** | **Practical laboratory for experimental pharmacology** | **Well equipped experimental laboratory with the capacity of 75 students with functional instruments for various experiments.** |  |
| **3.** | **Museum*** **Specimen**
 | * **Size : 130 Sq m**
* **The drug samples are arranged system vise and classification wise in cupboard.**
* **Information about drug samples is displayed in the museum and formulation-availability information is provided to each student as that forms part of their practical-session training.**
* **About 300 drugs of various categories are on display.**
* **Illustrations about 100 in number on classification etc.**
* **There is a section depicting “History of Medicine”**
 |  |
| **4** | **Departmental library*** **80-100 books**
 |  **535** |  |
| **5** | **Research laboratory** | ANNEXURE - I |  |

1. **Assessment of performance:-**

**UNDERGRADUATE TEACHING**

* **Whether assessment of performance done at the end of each semester involving theory, practical, viva voce:-**

Performance of each and every student is assessed by taking Terminal examinations (Theory + Practical including viva-voice) at the end of the term & day to day assessment in every practical.

* **Whether learner-centred, problem solving, Group-discussion and seminars conducted ( if so, documentary evidence may be enclosed):-**

 **TEACHING PROGRAMME**

Number

Didactic Lectures : 80 Didactic lectures + 40 [Teachers Assisted learning sessions] interactive lectures

In theory class, entire batch is divided into at least four to five small batches. Topic for the small group class is announced well in advance and actually written on the notice board of department for the student information before at least three days. So student can actually prepare the topic .All the faculties involved in teaching met on the same day of class decide what should be taught among themselves keeping in mind the following terminologies.

----Must be taught

----Should be taught

----Should have been ignored

During the class, teacher will not go for the dietetic type of the lecture in which flow of information in unidirectional. But here the learners are usually actively involved and if they find any difficulty in understanding the topic they can have the active discussion with teacher.

**In practical class**

In practical class our department has started *Problem Based Learning*  where students use triggers from problem case so that they can define their own learning objectives. In this exercise, from each learning objective real life problems are derived e.g. excessive salivation (PBL exercise) in OP poisoning in pharmacology.

The teachers clarify terms, concepts not really comprehensives.

Students discuss and analyze the problem and formulate the hypothesis

Synthesize the newly acquired information and try to solve the problem based on this knowledge.

In PBL, we facilitate the discussion, provides the guidance of all types, maintain time limit and try to prevent generation of wrong concepts in the mind of students.

**List of topics covered** – ANNEXURE - II

Seminars

- conducted during the year : 10-12 Student seminar

- Number of students attending each : Whole Batch

- ANNEXURE - III

**POST GRADUATE TEACHING**

* **Whether assessment of performance done at the end of each semester involving theory, practical, viva voce:-**

Performance of each and every resident is assessed by taking Terminal

 examinations(Theory + Practical including viva-voice) at the end of the term.

* **Whether learner-centred, problem solving, Group-discussion and seminars conducted ( if so, documentary evidence may be enclosed):-**

PG DISCUSSION & JOURNAL CLUB: ANNEXURE - IV

1. **Teaching hours (Standard- 300 hours)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Year** | **Teaching classes Actually conducted** | **Shortfall** | **Reasons for shortfall** |
|  | **Theory lectures** | **Demonstration** | **Total** |  |  |
| **2012-13** | **224** | **81** | **305** |  |  |
| **2013-14** | **234** | **78** | **312** |  |  |
| **2014-15** | **222** | **83** | **305** |  |  |
| **2015-16** | **429** | **78** | **507** |  |  |
| **2016-17** | **315** | **62** | **377** |  |  |

1. **No. of PG seats approved and admission taken-**

**Year 2014- 5 seats**

**Year 2015- 5 seats**

**Year 2016- 1 seat.**

1. **No. of additional teachers appointed for PG Seats- NIL**
2. **Research Activities during 2012-16 by faculty members:-**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr.No** | **Name of Faculty** | **Subject of Research** | **Where published** | **Year of publication** |
| **1** | Aashal B Shah, Preeti P Yadav, Mayur A Chaudhari, Jayant Rai’  | Bipolar disorder: a review of current U.S. Food and Drug Administration approved pharmacotherapy. | International Journal of Basic & Clinical Pharmacology Issue  |  2015 |
| **2** | Dr Jayant Rai, Aashal Shah, Preeti P. Yadav, Mayur A Chaudhari. | Impact of anti-epileptic drugs on cognition: a review. | Int J Basic Clin Pharmacol2016 |  |
| **3** | Paresh Solanki,Preeti P Yadav, Naresh D Kantharia. | Exploration of mechanism of action of Ephedrine on Rat blood pressure | RRJPTS | 2014 |
| **4** | Paresh Solanki,Preeti P Yadav, Naresh D Kantharia | Ephedrine :direct,indirect or mixed acting sympathomimetic?A review | LJBCP | 2014 |
| **5** | Yadav Preeti P, Chaudhary Mayur, Patel Jayshree, Shah Aashal, Kantharia ND. | Effectiveness of integrated teaching module in pharmacology among medical undergraduates  | Int J App Basic Med Res | 2016 |
| **6** | Jaykaran Charan, Mayur Chaudhari,Ryan Jackson,Rahul Mhaskar, Tea Reljic,Ambuj Kumar | Comparison of methodological quality of positive versus negative comparative studies published in Indian medical journals: a systematic review.  | BMJ  | 2015 |
| **7** | Acharya CR, Sharma AK, Kantharia ND |  A study of oxidative stress in gentamicin induced nephrotoxicity and effect of antioxidant vitamin C in Wistar rats.. | Int J Med Sci Public Health | 2015  |
| **8** | Acharya CR, Thakar HN, Vajpeyee SK. | A study of oxidative stress in gentamicin induced nephrotoxicity and effect of antioxidant vitamin C in Wistar rats.. | Natl J Physiol Pharm Pharmacol  | 2013 |
| **9** | M. J. Barvaliya, t. K. Patel1, j. C. Patel and c. B. Tripathi | Effect of Zidovudine and its Interaction with Rocuronium on Neuromuscular Transmission | Indian J Pharm Sci | 2013 |
| **10** | Patel JC, Barvaliya MJ, Patel TK, Tripathi CB | Neuromuscular blocking effect of fluoxetine and its interaction with rocuronium. | Auton pharmacol | 2013 |
| **11** | Patel JC, Patel PB, Acharya H, Nakum K, Tripathi CB | Efficacy and safety of lornoxicam vs ibuprofen in primary dysmenorrhea: a randomized, double-blind, double dummy, active-controlled, cross over study | Eur J Obstet Gynecol Reprod Biol. | 2015 |
| **12** | Mandavia DR, Patel MK, Patel JC, Anovadiya AP, Baxi SN, Tripathi CR | Anti-urolithiatic effect of ethanolic extract of Pedalium murex linn. fruits on ethylene glycol-induced renal calculi | Urol J | 2013 |
| **13** | Panchasara AK, Patel JC, Vadgama VK, Barvaliya MJ, Tripathi CB | Interaction between rosuvastatin and rocuronium in rat sciatic-gastrocnemius nerve-muscle preparation | J Anesth | 2014 |
| **14** | Patel C, Deoghare S.Heart failure | Novel therapeutic approaches.  | J.Post graduate | 2015 |
| **15** | Vaghasia K, Patel C, Shahane K, Gamit N, Zala A, Shah A | Estimation of thyroid profile in patients with diabetes mellitus in new civil hospital surat | Int.J. Basic clin Pharmacol. | 2015 |
| **16** | Malam PP, Kantharia ND, Zala AC, Amin AJ, Deoghare SB, Gajera CN | Role of glipizide therapy on oxidative stress parameters in the patient with Type-II diabetes mellitus. | IJBCP | 2015 |
| **17** | Zala AC, Kantharia ND, Malam PP, Vaghasiya KB, Soni RG, Gajera CN. | Effect of atenolol on hemoglobin level in mild to moderate hypertension | Ijbcp | 2015 |
| **18** | Nrupal Patel, Mira Desai, Samdih Shah, Prakruti Patel, Anuradha Gandhi | study of medication errors in a tertiary care hospital – October 2016  | Perspective clinical research  | 2016 |
| **19** | Nishant B. Bhansali, Yash N. Goyal, B. Divakar, Sureshchandra D. Mistry, Dinesh A. Chavda, Jiyo Chacko | . Effect of gabapentin on haloperidol induced inhibition of conditioned avoidance response in rat. | IJBCP  | 2012 |
| **20** | B. Divakar, S. D. Mistry, N. D. Kantharia, Mamtarani. | The studyof adverse drug reactions (ADRs) in HIV patients taking Highly Active Antiretroviral Therapy in ART centre, NCH, Surat | (international journal of medical and pharmaceutical sciences | 2012 |
| **21** | Dhwanit Shah B. Divakar Mamtarani Verma Giri Jui | Comparative study of the effect of taping on scapular stability and upper limb fuicntion in recovering hemiplegics with scapular weakness | chronicles of young scientists-  | 2013 |
| **22** | Anupama Sukhlecha, Shilpa P Jadav, Tushar R Gosai, Divakar Balusamy | Short communication: student led objective tutorials in pharmacology: an interventional study. | IJP | 2016 |
| **23** | Neha Patel | Prescription audit and drug utilization pattern in indoor patients of paediatrics department | International journal of current research and review. | 2016 |
| **24** | Patel BS, Kubavat AR, Piparava KG | Correlation of Students’ performance in theory and practical of final summative pharmacology examinations in MBBS curriculum: A critical Insight | National Journal of Physiology, Pharmacy and Pharmacology. | 2013 |
| **25** | Chaudhari JS, Kubavat AR, Mistry VR, Pandya AS, Hotchandani SC, Patel BS. | A drug utilization study of analgesics for management of postoperative pain in patients admitted at a tertiary care teaching hospital | International Journal of Basic and Clinical Pharmacology  | 2013 |
| **26** | Dr. Patel BS, Dr. Kubavat AR, Dr. Sondarva DB, Dr. Piparva KG | Drug utilization study in neonatal intensive care unit at tertiary care hospital, Rajkot, Gujarat: A prospective study. | World journal of pharmacy and pharmaceutical Sciences. | 2015 |
| **27** | Dr. Sondarva DB, Dr. Kubavat AR, Dr. Patel BS, Dr. Mistry VR. | Utilization of antimicrobial agents in pediatric indoor patients of pneumonia at tertiary care hospital | World journal of pharmacy and pharmaceutical Sciences | 2015 |
| **28** | Patel BS, Kubavat AR, Sondarva DB, Chaudhari JS. |  Knowledge, Attitude and Practice of resident doctors about medical research in a tertiary care hospital, Rajkot, Gujarat  | Int J Res Med  | 2014 |
| **29** |  Dr. Sondarva DB, Dr. Kubavat AR, Dr. Patel Bs, Dr. Modi JP | Assessment of knowledge, attitude and practice of pharmacovigilance among resident doctors and staff nurses in a tertiary care hospital, Gujarat | World journal of pharmaceutical research | 2015 |
| **30** | Patel BS, Chavda FM | Cost variation study of various artemisinin formulations available in Indian market | World journal of pharmaceutical research. | 2015 |
| **31** | Patel BS, Chavda FM, Mundhava SG. | Cost Variation Analysis Of Single Nonsteroidal Anti-Inflammatory Agents Available In Indian Market: An Economic Perspective. | International Journal of Pharmaceutical Sciences and Research. | 2016 |
| **32** | Patel BS, Chavda FM, Mundhava SG | Study Of Variation In Price Of Various Nsaids Combinations Available In Indian Market  | International Journal of Pharmaceutical Sciences and Research | 2016 |
| **33** | Jaykaran, Yadav P, Kantharia ND | Ethics in animal experiments | Indian Med Ethics | 2012 |
| **34** | Jaykaran, Yadav P, Kantharia ND, Saxena D | Gender and racial bias in drug promotional material distributed by pharmaceutical companies | J Pharmacol Pharmacother | 2012 |
| **35** | Jaykaran Charan, Summaiya Mulla, Sridhar Ryavanki, Naresh Kantharia | New Delhi Metallo – beta lactamase – 1 containing Enterobacteriaceae: origin, diagnosis, treatment and public health concern | The Pan African Medical Journal | 2012 |
| **36** | Charan J, Goyal JP, Saxena D, Yadav P | Vitamin D for prevention of respiratory tract infections: A systematic review and meta-analysis | J Pharmacol Pharmacother | 2012 |
| **37** | Mody P, Biswas T, Charan J, Parikh D | Reporting of adverse drug reactions in clinical trials published in Indian Medical/Dental journals | J Pharmacol Pharmacother  | 2012 |
| **38** | Chirag Gajera, Malaviya , Govekar, Chandegara , Malam , Zala AC | Study of pattern of road traffic accident mortalities in surat | Int J Res Med | 2013 |
| **39** | Patel C, Deoghare S | Medicine Withdrawal and Recall: Needs Proper Evaluation. | Adv Pharmacoepidem Drug Safety | 2012 |

**(b) Name of faculty member selected for research by ICMR, if any:-**

**© Name of faculty member selected for state sponsored research, if any:-**

**Reviewing Officer Head of Department**