



TAGORE MEDICAL COLLEGE & HOSPITAL



DEPARTMENT OF PHARMACOLOGY

Tagore Medical College and Hospital

TEACHING AND LEARNING



**COMPUTER ASSISTED
LEARNING**

TMCH



**EXPERIMENTAL/RESEA
RCH LAB- DOAP
SESSIONS**

INNOVATIVE TL METHODS



**SKILL LAB- INJECTION
TECHNIQUES**

1

ROLEPLAY & SHORT FILMS





E- LEARNING

LMS – INSPRO
PLUS

https://insproplus.com/tagoreerp x Sent Mail - pharmoffice@tagore x New Tab

insproplus.com/tagoreerp/AttendanceMOD/Syllabus_Entry_New.aspx

To get future Google Chrome updates, you'll need Windows 10 or later. This computer is using Windows 7. [Learn more](#)

Tagore Medical College And Hospital

Add Row Type in Grid New Row Add

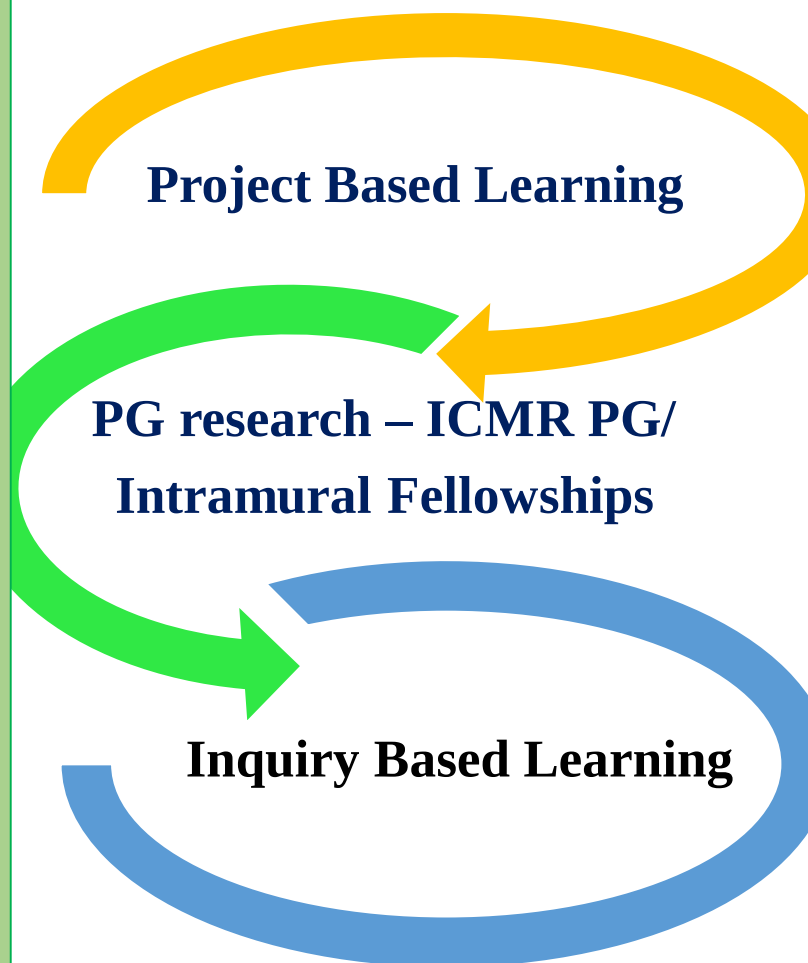
S.No	Topic	Description	Total No.of Hours	Special Teaching	Teaching Aid	Instructional Medium	Resources
1	PHARMACODYNAMICS -		0	Theory	Projector	English	
2	DRUG DOSAGE, FDC, FAI		0	Practical	Projector	English	
3	ADVERSE DRUG EFFECT		0	Theory	Projector	English	
4	PRACTICAL - POSOLOGY		0	Practical	Lab	English	
5	DRUG INTERACTIONS DR		0	Theory	Projector	English	
6	PRACTICAL - POSOLOGY		0	Practical	Lab	English	
7	CLINICAL TRIAL/GCP		0	Theory	Projector	English	
8	PRACTICAL - POSOLOGY		0	Practical	Lab	English	
9	INTRODUCTIN TO ANS		0	Theory	Projector	English	
10	ANTIMICROBIAL AGENT		0	Theory	Projector	English	
11	CHOLINERGIC DRUGS		0	Theory	Projector	English	
12	ANTI CHOLINERGIC DRI		0	Theory	Projector	English	
13	PRACTICAL - PHARMAC		0	Practical	Lab	English	
14	ALPHA BLOCKERS DR		0	Theory	Projector	English	

THRUST AREAS

RESEARCH ACTIVITIES

RESEARCH AREAS

- Drug Discovery
- Drug Designing
- New Drug Delivery Methods
- Molecular Docking in Silico
- Pharmacogenetics
- Academic Clinical Trial using Devices, Stem Cell, Regenerative Medicine, Implants, In-silico, Biomaterials
- Gamification of medication adherence & compliance



- ### NEW DRUG FORMULATIONS
- New vector based
 - mRNA based vaccines development
 - 3D printing technology
 - Digital pills
 - Monitoring Technology for Bio-transport of drugs & TDM
 - 3D simulation & pharmacokinetic modelling
 - Transgenic animal models & 3D disease models
 - Tissue chip- organ on chip
 - Engineered cell therapy (CAR T THERAPY)

PHARMACOVIGILANCE CENTRE

TAGORE MEDICAL COLLEGE AND HOSPITAL Department of Pharmacology Awareness Handout Report ADR - Enhance Patient Safety



MONITORING & REPORTING ADRs THROUGH VIGIFLOW SOFTWARE SMART APP DESIGNING TO REPORT ADRs



BEST PRACTICES OF THE DEPARTMENT PHARMACOVIGILANCE

Recognition as Adverse drug monitoring centre (AMC)
under IPC- PvPI



Sir/Madam,

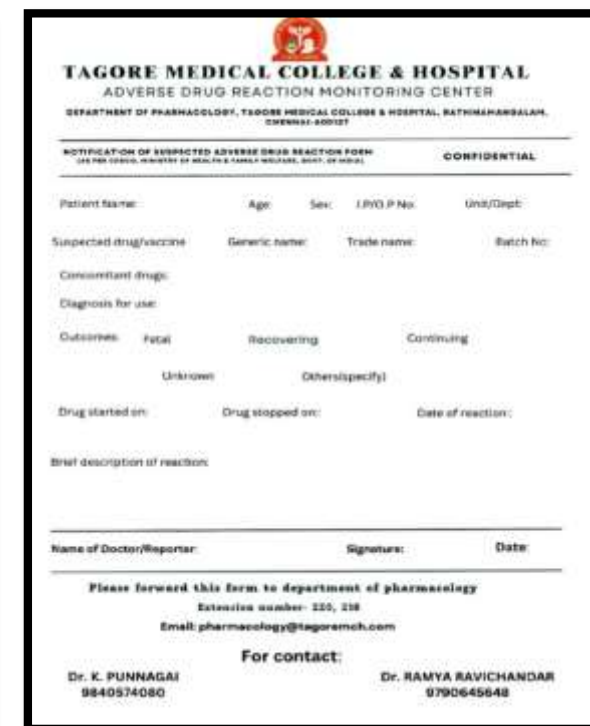
Greeting from NCC-PvPI !!

This is with reference to your letter of intent/enrolment received to participate in a nationwide programme to monitor the safety of drugs. It is a matter of great pleasure to bring in your kind notice that the Indian Pharmacopoeia Commission (IPC), National Coordination Centre (NCC) - Pharmacovigilance Programme of India (PvPI), Ghaziabad has approved your Hospital/Institute as an Adverse Drug Reactions Monitoring Centre under PvPI.



SUSPECTED ADVERSE DRUG REACTION REPORTING FORM
For IPC-PvPI Reporting of Adverse Drug Reactions by Healthcare Professionals

REPORTING PHARMACOLOGIST/INSTITUTION
Name of the Reporting Institution: **TAGORE MEDICAL COLLEGE & HOSPITAL**
Address: **100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000**



TAGORE MEDICAL COLLEGE & HOSPITAL
ADVERSE DRUG REACTION MONITORING CENTER
DEPARTMENT OF PHARMACOLOGY, TAGORE MEDICAL COLLEGE & HOSPITAL, BATHINDA, PUNJAB, INDIA-151001

NOTIFICATION OF SUSPECTED ADVERSE DRUG REACTION FORM
(USE FOR CLINICAL, MEDICAL, NURSING, PHARMACY, LABORATORY, RADIATION, PHYSIOLOGY, etc.)

Patient name: _____ **Age:** _____ **Sex:** _____ **LRVO P No:** _____ **Unit/Dept:** _____

Suspected drug/vaccine: _____ **Generic name:** _____ **Trade name:** _____ **Batch No:** _____

Concomitant drugs: _____

Diagnosis for use: _____

Outcomes: ☐ Fatal ☐ Recovering ☐ Continuing ☐ Unknown ☐ Others (specify): _____

Drug started on: _____ **Drug stopped on:** _____ **Date of reaction:** _____

Brief description of reaction: _____

Name of Doctor/Reporter: _____ **Signature:** _____ **Date:** _____

Please forward this form to department of pharmacology
Extension number: 220, 218
Email: pharmacology@tagoremch.com

For contact:
Dr. K. PUNNAGAI 9840574080
Dr. RAMYA RAVICHANDAR 9790645648

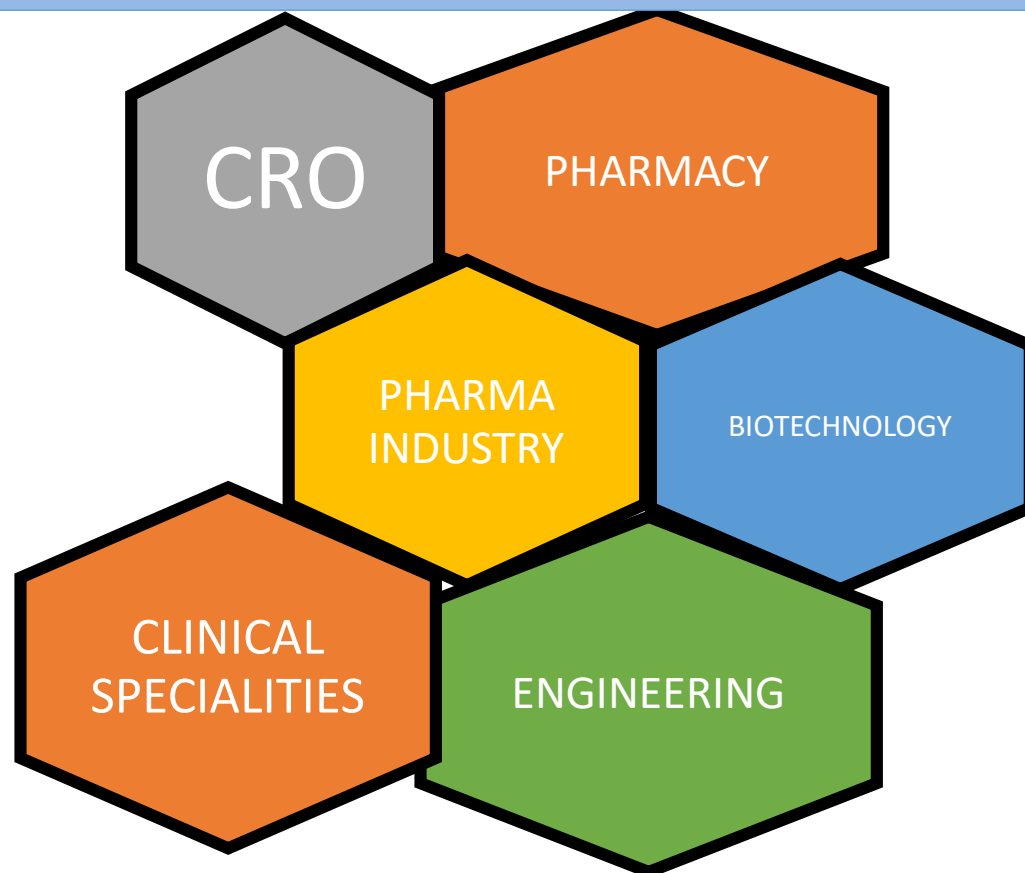
COLLABORATIVE ACTIVITIES

INDUSTRIAL VISIT

GLOBAL PHARMA HEALTHCARE PVT.LTD



COLLABORATIVE RESEARCH



ARTIFICIAL INTELLIGENCE

CLINICAL PHARMACOLOGY- MEDICATION MANAGEMENT



TAGORE MEDICAL COLLEGE AND HOSPITAL

LOOK -ALIKE DRUGS

The drugs which look same in the Colour, Packing, Shape of the tablets, Fragrance of the tablets, printing are look a like drugs. Have to give more attention while handling look alike drugs

S.NO	DRUGS	DRUGS
1	T. AVIL	T. LASIX
2	AUGMENTIN DUO SYP	AUGMENTIN DSS SYP
3	T. FOLIC ACID	T. BUSCOGOST
4	INJ. ARTACHIL	INJ. NEOVAC
5	T. NUPRIN PLUS	T. NUROKIND PLUS
6	T. FLORICORT	T. FLODART
7	T. PREGALIN 75	T. PLAGRINE 75
8	T. MYORIL 40mg	T. MEDROL 40mg
9	T. ATROVA 10 30mg	T. ATTERA 10mg
10	T. FOLLIHAIR	T. FENOCARE
11	INJ. DOMIN	INJ. DOTAMIN



DEPARTMENT OF PHARMACOLOGY



TAGORE MEDICAL COLLEGE AND HOSPITAL

SOUND -ALIKE DRUGS

TWO DRUGS NAMES WHICH SOUNDS SAME/SIMILAR IN THE PRONUNCIATION AT THE BEGINNING/MIDDLE/END OF THE MEDICINES ARE SOUND ALIKE MEDICINES. HAVE TO GIVE EXTRA ATTENTION WHILE HANDLING SOUND ALIKE MEDICATIONS.

S.NO	DRUGS	DRUGS	S.NO	DRUGS	DRUGS
1	AMOXICILLIN	AMPICILLIN	14	CHLOEPORMAZINE	CARBAMAZEPINE
2	IMIPENEM	MEROPENEM	15	CLONAZEPAM	LORAZEPAM
3	EPHEDRINE	EPINEPHRINE	16	DIGOXIN	DOXEPIN
4	GLICLAZIDE	GLIPIZIDE	17	DOMPERIDONE	DROPERIDOL
5	AMITRIPTYLINE	NORTRIPTYLINE	18	DOTHEPIN	DOXEPIN
6	LISINAPRIL	FOSINAPRIL	19	GLICLAZIDE	GLIPIZIDE
7	CLOTRIMAZOLE	CO-TRIMOXAZOLE	20	LEVOTHYROXINE	LIOTHYRONINE
8	FENTANYL	SUFENTAIL	21	LOPERAMIDE	LOFEPRAMINE
9	DOXORUBICIN	DAUNORUBICIN	22	NICOTINAMIDE	NICOTINIC ACID
10	FOLIC ACID	FOLINIC ACID	23	PREDNISOLONE	PRENISOONE
11	RETROVIR	RITONAVIR	24	TRAMADOL	TRAZODONE
12	BECLOMETASONE	BETAMETHASONE	25	CEFOTAXIME	CEFUROXIME
13	BISCODYL	BISOPROLOL			



DEPARTMENT OF PHARMACOLOGY

- PRESCRIPTION AUDIT
- DRUG FORMULARY
- HIGH ALERT MEDICATIONS



TAGORE MEDICAL COLLEGE AND HOSPITAL

HIGH - ALERT MEDICATIONS

HIGH ALERT MEDICATIONS ARE HIGH RISK OF CAUSING SIGNIFICANT PATIENT HARM WHEN THEY ARE USED IN ERROR/CONCENTRATED FORM. IT MAY LEAD TO SERIOUS COMPLICATIONS TO THE PATIENTS.

S.NO	HIGH ALERT MEDICATION LIST	S.NO	HIGH ALERT MEDICATION LIST
1	INJ.POTASSIUM CHLORIDE	18	INJ.LORAZEPAM
2	INJ.SODIUM CHLORIDE	19	INJ.METHOTREXATE
3	INJ.MAGNESIUM SULPHATE	20	INJ.KETAMINE
4	INJ.CALCIUM GLUCONATE	21	INJ.LIDOCAINE
5	INJ.PROMETHAZINE	22	INJ.LAMIDARONE
6	INJ.OXYTOCIN	23	INJ.WARFARIN
7	INJ.CISPLATIN	24	INJ.ALTEPLASE
8	INJ.ENOXAPARIN	25	INJ.BETEPLASE
9	INJ.FONDAPARIN	26	INJ.TENECTEPLASE
10	INJ.HEPARIN	27	INJ.LAMPHOTERICIN
11	INJ.DOBUTAMINE	28	INJ.DEXMEDETOMIDE
12	NOREPINEPHRINE	29	INJ.DEXMEDETOMIDINE
13	INJ.MORPHINE	30	INJ.MIDAZOLAM
14	INJ.FENTANYL	31	INJ.SUCCINYLCHOLINE
15	INSULIN ISOPHANE	32	INJ.ROCURONIUM
16	HUMAN INSULIN	33	INJ.VECURONIUM
17	INJ.NITROPRUSSIDE		



DEPARTMENT OF PHARMACOLOGY

- LOOK ALIKE DRUGS
- SOUND ALIKE DRUGS
- ADVERSE DRUG REACTION MONITORING

ANIMAL HOUSE (CCSEA APPROVED)



FUTURE PLAN

Training & orientation to grant writing in research

Global collaboration for research for newer innovations in drug delivery and drug discovery

Facility for Zebra fish research- AI and animal models

Pharmacovigilance- Predicting ADR using AI, newsletter updates

International conferences