

IAEC MEETING

2011

**SHRI B. M. SHAH COLLEGE OF PHARMACEUTICAL
EDUCATION & RESEARCH
COLLEGE CAMPUS
MODASA – 383 315**

AGENDA OF THE MEETING

1. Minutes of meeting held on 24th July 2010.
2. Review of annual usage of animals.
3. List of research project.

**Shri B. M. Shah College of Pharmaceutical Education & Research,
Modasa.**

[1] Minutes of the meeting held on 24th July 2010

The meeting of IAEC was held on Saturday, 24th July 2010, at 11.00 a.m, in the conference room of Shri B. M. Shah College of Pharmaceutical Education & Research, Modasa (Gujarat). Following members were present in the meeting:

- | | |
|--------------------------|--|
| 1. Dr. N. M. Patel | - Chairman |
| 2. Dr. Mahesh Parikh | - CPCSEA nominee |
| 3. Dr. A. Y. Malekji | - Veterinarian |
| 4. Dr. M. S. Jangid | - Scientist different discipline |
| 5. Dr. S. D. VEDIYA | - Scientist different discipline |
| 6. Dr. A. N. Shah | - Non-Scientific socially aware member |
| 7. Mr. N. R. Modi | - Non-Scientific socially aware member |
| 8. Mr. K. R. Patel | - Non-Scientific socially aware member |
| 9. Ms. D. A. Israni | - Scientist in charge |
| 10. Mr. Atulkumar Bhatia | - Full time attendant |

Proceedings of the meeting....

- i) Dr. N. M. Patel welcomes CPCSEA nominee and other members of IAEC. He read the minutes of the last meeting. It was confirmed after some discussion.
- ii) CPCSEA nominee told that meeting should be arranged in every 3 month in last meeting the consequences of inability to arrange the meeting was discussed.
- iii) All the members including CPCSEA nominee, Dr. Mahesh Parikh had gone through the data of annual animal usage. The committee unanimously approved the requirements of animals for the academic year 2010-2011.
- iv) The committee unanimously approved the requirements of animal for the academic year 2010-11 except frog. Vice chancellor of GTU and appointed authority will be informed regarding latest development of CPCSEA norms to withhold and cancel the experiment on frogs.
- v) New project No. IAEC/BMCPER/1/10-11 was approved after detail discussion.
- vi) Visited the animal house and suggested accordingly for better health and welfare of animals.

Meeting ended with vote of thanks by the chair.



CPCSEA nominee

[2] Review of annual usage of animals

- ***Data of annual animal usage for academic purpose***

Animal species	Year 2009-2010	Year 2010-2011
Frog (Rana tigrina)	Nil	Nil
Rat (Albino)	207	137
Mice (Albino)	50	44
Rabbit (Albino)	-	-

- **Steps taken to reduce the animal use:**
 - i) Refinement of practicals was done as far as possible so that minimum number of animal should be utilized.

ANIMAL REQUIREMENTS FOR EDUCATION PURPOSE [2010-2011]

1	Name and Address	Shri B. M. Shah College of Pharma. Edu. & Research, College campus, MODASA - 383 315.
2	List of experiment carried out	Enclosure - I
3	Animal requirements (species wise) annually	Albino rats : 250 (either sex) Albino mice : 60 (either sex) Albino rabbits: 6
4	Expertise of the demonstrator	Ms. R. S. Patel (M. Pharm, Pharmacology) Mr. S. A. Patel (M. Pharm, Pharmacology)
5	Source of experimental animals	Zydus Research Center Near Nova Chemicals, Village: Moraiya, Ta: Sanand, Dist: Ahmedabad. National Institute of Occupational Health (NIOH) Meghani nagar, Ahmedabad – 380 016.
6	No. of animals to be sacrificed annually	Albino rats : 137 (either sex) Albino mice : Nil Albino rabbits : Nil
7	Method of euthanasia and disposal	Euthanasia by giving over anesthetics like chlorophorm and ether. Disposal of dead animals by burying.
8	Whether a veterinary doctor is employed	No. Assistance of Dr. A. Y. Malekji (Veterinarian) is taken.
9	Housing details (Dimensions / No. of animals)	Plastic cage of 43*27* 15 cm for 4 rats/10 mice
10	No. of animal rehabilitated	Albino rats : 105 Guinea pig:
11	Alternatives in education	Using CAL (Computer Aided Learning) software for various experiments on frog, rat, rabbit and dog.

Kindly fill in the appropriate form – Research / Educational Details to be precise.

Signature of IAEC Chairman

Signature of the CPCSEA Nominee

Enclosure –I

List of animal experiments in B. Pharm sem IV

1. To study the graded response of Ach on rat ileum.
2. To study the spasmogenic and spasmolytic activity of various drugs on rat ileum.
3. To find out EC50 and pD2 value of Ach using rat ileum.
4. To find out EC50 and pD2 value of Ach using rat fundus strip.
5. To find out EC50 and pD2 value of Ach using rat uterus.
6. To find out EC50 and pD2 value of Adrenaline using rat vas-deference.
7. To find out unknown solution of drug using rat ileum.
8. To find out pA2 value of Atropine on rat ileum.
9. To study the effect of various enzyme inducers and enzyme inhibitors on phenobarbitone-induced sleeping time in mice.
10. To study the effect of local anesthetic drug on rabbit eye.
11. To study the myosis and mydriasis effect of various drugs on rabbit eye.

List of animal experiments in B. Pharm sem V

1. To find out unknown solution of drug using rat ileum.
2. Evaluation of analgesic drug using thermal method in rats.
3. Evaluation of analgesic drug using acetic acid – induced writhing method in mice.
4. Evaluation of analgesic drug using electroconvulsimeter.
5. Evaluation of anti-parkinsonian drug using phenothiazine –induced catatonia in rats.
6. Evaluation of Anti-convulsion activity using electro-convulsimeter in mice.
7. Evaluation of muscle relaxant activity of drug using rota-rod apparatus in mice.
8. Evaluation of Anti-inflammatory activity using plathesmometer in rats.
9. Effects of Various Drugs on Isolated Frog Heart.
10. Demonstration on the Effects of Various Drugs on the Rat blood Pressure.
11. Evaluation of analeptics and depressants using photoactometer on mice.
12. Evaluation of anti-psychotics using cook's pole climbing apparatus on rat.

List of animal experiments in B. Pharm sem VII

1. Bioassay of Ach on rat ileum using graphical method.
2. Bioassay of Ach on rat ileum using matching method.
3. Bioassay of Ach on rat ileum using 3 - point method.
4. Bioassay of Ach on rat ileum using 4 - point method.
5. Bioassay of Atropine on rat ileum using graphical method.
6. Bioassay of Ach on rat fundus strip using graphical method.
7. Bioassay of Ach on rat uterus using graphical method.
8. Bioassay of Adrenaline on rat vas deferense using graphical method.
9. Bioassay of Adrenaline on rat anaccocegeous using graphical method.

LIST OF RESEARCH PROJECT PROPOSAL FOR 2010-11

Sr No.	PROTOCOL NO.	PROJECT TITLE
1	IAEC/BMCPER/02/2010-11	Standardization and Evaluation of Laxative activity of Swadist Virechan Churna- An Ayurvedic Formulation
2	IAEC/BMCPER/03/2010-11	Standardization and Evaluation of Immunomodulatory activity of Rizer Syrup A Polyherbal formulation.
3	IAEC/BMCPER/04/2010-11	Standardization, Evaluation and optimization of Hepato-protective Herbal Formulation- Vasuliv Tablet & Vasuliv Syrup
4	IAEC/BMCPER/05/2010-11	Pharmacognostic, Phytochemical and Pharmacological Evaluation of <i>Guazuma ulmifolia</i> Lam. Leaves
5	IAEC/BMCPER/06/2010-11	Standardization and Evaluation of Diuretic Activity of Protate Capsule- A Poly Herbal Formulation
6	IAEC/BMCPER/07/2010-11	Standardization and Evaluation of Anti-inflammatory activity of Abha Capsule: A Polyherbal Formulation.”
7	IAEC/BMCPER/08/2010-11	Standardization and Evaluation of Antiulcer activity of Ppegard syrup A Polyherbal formulation.
8	IAEC/BMCPER/09/2010-11	Pharmacognostic, Phytochemical and Pharmacological Evaluation of <i>Ajuga bracteosa</i> Wall. ex Benth. Herb
9	IAEC/BMCPER/10/2010-11	Standardization and Evaluation of Antiarthritic activity of Arthrum plus Capsules- A Polyherbal Formulation

**Minutes of Institutional Animal Ethics Committee
Shri B. M. Shah College of Pharmaceutical Education & Research,
Modasa.**

Minutes of the meeting held on 29th January 2011

The meeting of IAEC was held on Saturday, 29th January, 2011, at 11.00 a.m, in the conference room of Shri B. M. Shah College of Pharmaceutical Education & Research, Modasa (Gujarat). Following members were present in the meeting:

- | | |
|--------------------------|--|
| 1. Dr. N. M. Patel | - Chairman |
| 2. Dr. Mahesh Parikh | - CPCSEA nominee |
| 3. Dr. A. Y. Malekji | - Veterinarian |
| 4. Dr. M. S. Jangid | - Scientist different discipline |
| 5. Dr. S. D. VEDIYA | - Scientist different discipline |
| 6. Dr. A. N. Shah | - Non-Scientific socially aware member |
| 7. Mr. N. R. Modi | - Non-Scientific socially aware member |
| 8. Mr. K. R. Patel | - Non-Scientific socially aware member |
| 9. Ms. R. S. Patel | - Scientist in charge |
| 10. Mr. S. A. Patel | - Scientist in charge |
| 11. Mr. Atulkumar Bhatia | - Full time attendant |

Proceedings of the meeting....

- vii) Dr. N. M. Patel welcomes CPCSEA nominee and other members of IAEC. He read the minutes of the last meeting. It was confirmed after some discussion.
- viii) CPCSEA nominee emphasized to hold the meeting should be arranged in every 3 month.
- ix) All the members including CPCSEA nominee, Dr. Mahesh Parikh had gone through the data of annual animal usage. The committee unanimously approved the requirements of animals for the academic year 2010-2011.
- x) New project No. IAEC/BMCPER/2/10-11 to IAEC/BMCPER/10/10-11 was approved after detail discussion.
- xi) CPCSEA nominee, Dr. Mahesh Parikh has visited the animal house and suggested accordingly for better health and welfare of animals. He pointed out that sufficient light to be provided animal and also rat should be caged as per the specification of CPCSEA guideline. He suggested for proper storage of feed as per manufacturer or supplier's guideline.

Meeting ended with vote of thanks by the chair.


CPCSEA nominee

ANIMAL REQUIREMENTS FOR EDUCATION PURPOSE [2010-2011]

1	Name and Address	Shri B. M. Shah College of Pharma. Edu. & Research, College campus, MODASA- 383 315.
2	List of experiment carried out	Enclosure - I
3	Animal requirements (species wise) annually	Albino rats : 250 (either sex) Albino mice : 60 (either sex) Albino rabbits: 6
4	Expertise of the demonstrator	Ms. R. S. Patel (M. Pharm, Pharmacology) Mr. S. A. Patel (M. Pharm, Pharmacology)
5	Source of experimental animals	Zydus Research Center Near Nova Chemicals, Village: Moraiya, Ta: Sanand, Dist: Ahmedabad. National Institute of Occupational Health (NIOH) Meghani nagar, Ahmedabad – 380 016.
6	No. of animals to be sacrificed annually	Albino rats : 137 (either sex) Albino mice : Nil Albino rabbits : Nil
7	Method of euthanasia and disposal	Euthanasia by giving over anesthetics like chlorophorm and ether. Disposal of dead animals by burying.
8	Whether a veterinary doctor is employed	No. Assistance of Dr. A. Y. Malekji (Veterinarian) is taken.
9	Housing details (Dimensions / No. of animals)	Plastic cage of 43*27*15 cm for 4 rats/10 mice
10	No. of animal rehabilitated	Albino rats : 27 (Female) Guinea pig: 1
11	Alternatives in education	Using CAL (Computer Aided Learning) software for various experiments on frog, rat, rabbit and dog.

Kindly fill in the appropriate form – Research / Educational Details to be precise.



Signature of IAEC Chairman



Signature of the CPCSEA Nominee