AECMEENIG 2010

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

AGENDA OF THE MEETING

- 1. Minutes of meeting held on 6th December 2008.
- 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 6th December 2008

The meeting of IAEC was held on Saturday, 6th December 2008, 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. Harishchandra Jain	- 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. G. B. Shah	- Scientist from outside the institute
7. Dr. A. N. Shah	- Non-Scientific socially aware member
8. Mr. K. P. Modi	- Scientist in charge
9. Mr. A. R. Patel	- Scientist in charge
10. Ms. D. A. Israni	- Scientist in charge
11. Mr. A. M. 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.
- iii) All the members including CPCSEA nominee, Dr. H. C. Jain had gone through the data of annual animal usage. The committee unanimously approved the requirements of animals for the academic year 2008-2009.
- iv) New project No. IAEC/BMCPER/18/08-09; IAEC/BMCPER/19/08-09 and IAEC/BMCPER/20/08-09 were approved after detail discussion.
- v) Extentions were given to Protocol No. 9 and 10.
- vi) Dr. H. C. Jain 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 2008-2009	Year 2009-2010
Frog (Rana tigrina)	Nil	Nil
Rat (Albino)	120	207
Mice (Albino)	Nil	50
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 REQUIRMENTS FOR EDUCATION PURPOSE [2010-2011]

-	NT	
1	Name and Address	Shri B. M. Shah College of Pharma. Edu. &
		Research, College campus,
		MODASA- 383 315.
2	List of experiment carried	Enclosure - I
	out	
3	Animal requirements	Albino rats : 120 (either sex)
	(species wise) annually	Albino mice : 40 (either sex)
		Albino rabbits: 6
		Frogs: 240
4	Expertise of the	Ms. D. A. Israni (M. Pharm, Pharmacology)
	demonstrator	
		Ms. R. S. Patel (M. Pharm, Pharmacology)
5	Source of experimental	Zydus Research Center
-	animals	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	Albino rats : 100 (either sex)
Ŭ	sacrificed annually	Albino mice : Nil
		Albino rabbits : Nil
		Frogs: 240
7	Method of euthanasia and	Euthanasia by giving over anesthetics like
-	disposal	chlorophorm and ether.
	alopotal	
		Disposal of dead animals by burying.
8	Whether a veterinary doctor	No.
0	is employed	Assistance of Dr. A. Y. Malekji (Veterinarian) is
	15 cmployeu	taken.
9	Housing details (Dimensions	Plastic cage of 43*27*15 cm for 4 rats/10 mice
9	/ No. of animals)	Trastic cage of 40 27 13 cm for 4 rats/ 10 mile
10	No. of animal rehabilitated	Albino rats : 27 (Female)
10		• •
11	Alternatives in education	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

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 EC_{50} and pD2 value of Ach using rat ileum.
- 4) To find out EC_{50} and pD2 value of Ach using rat fundus strip.
- 5) To find out EC_{50} and pD2 value of Ach using rat uterus.
- 6) To find out EC_{50} 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 electroconvulsiometer.
- 5) Evaluation of anti-parkinsonian drug using phenothiazine –induced catatonia in rats.
- 6) Evaluation of Anti-convulsion activity using electro-convulsiometer 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 Final year B. Pharm

- 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 Atropine on rat ileum using graphical method.
- 5) Bioassay of Ach on rat fundus strip using graphical method.
- 6) Bioassay of Ach on rat uterus using graphical method.
- 7) Bioassay of Adrenaline on rat vas deferense using graphical method.
- 8) Bioassay of Adrenaline on rat anaccocegeous using graphical method.
- 9) To find out pA2 value of Atropine on rat ileum.
- 10) To find out unknown solution of drug using rat ileum.
- 11) Evaluation of analgesic drug using thermal method in rats.
- 12) Evaluation of analgesic drug using acetic acid induced writhing method in mice.
- 13) Evaluation of anti-parkinsonian drug using phenothiazine –induced catatonia in rats.
- 14) Evaluation of CNS-stimulant and CNS-depressant drug using mice.
- 15) Study of various hypnotic drugs in mice.
- 16) Study of various volatile general anesthetics using rats.

LIST OF RESEARCH PROJECT PROPOSAL FOR 2010-11

Protocol No.	Project Title	
IAEC/BMCPER/	Phytochemical and Pharmacological Investigation of Vitex	
1/10-11	Negundo Linn.	

Minutes of Institutional Animal Ethics Committee

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

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.	Mr. S. M. Shah	- Non-Scientific socially aware member
10.	Ms. D. A. Israni	- Scientist in charge
11.	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) 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.
- iii) New project No. IAEC/BMCPER/1/10-11 was approved after detail discusson.
- iv) All IAEC members have 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

ANIMAL REQUIRMENTS 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 : 120 (either sex) Albino rabits: 6 4 Expertise of the demonstrator Ms. D. A. Israni (M. Pharm, Pharmacology) 5 Source of experimental animals Zydus Research Center 9 No. of animals to be signification mode of euthanasia and disposal Albino rats : 100 (either sex) Albino rabits : Nil Frogs: 240 7 Method of euthanasia and disposal Euthanasia by giving over anesthetics like chlorophorm and ether. 9 Housing details (Dimensions / No. of animals) Disposal of dead animals by burying. 10 No. of animals 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.	-		
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Kindly fill in the appropriate form – Research / Educational Details to be precise.