

# **IAEC MEETING**

# **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 6<sup>th</sup> 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 6<sup>th</sup> December 2008**

The meeting of IAEC was held on Saturday, 6<sup>th</sup> 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***

<b>Animal species</b>	<b>Year 2008-2009</b>	<b>Year 2009-2010</b>
<b>Frog (Rana tigrina)</b>	<b>Nil</b>	<b>Nil</b>
<b>Rat (Albino)</b>	<b>120</b>	<b>207</b>
<b>Mice (Albino)</b>	<b>Nil</b>	<b>50</b>
<b>Rabbit (Albino)</b>	<b>-</b>	<b>-</b>

- **Steps taken to reduce the animal use:**
  - 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]**

<b>1</b>	<b>Name and Address</b>	<b>Shri B. M. Shah College of Pharma. Edu. &amp; Research, College campus, MODASA- 383 315.</b>
<b>2</b>	<b>List of experiment carried out</b>	<b>Enclosure - I</b>
<b>3</b>	<b>Animal requirements (species wise) annually</b>	<b>Albino rats : 120 (either sex) Albino mice : 40 (either sex) Albino rabbits: 6 Frogs: 240</b>
<b>4</b>	<b>Expertise of the demonstrator</b>	<b>Ms. D. A. Israni (M. Pharm, Pharmacology)  Ms. R. S. Patel (M. Pharm, Pharmacology)</b>
<b>5</b>	<b>Source of experimental animals</b>	<b>Zydus Research Center Near Nova Chemicals, Village: Moraiya, Ta: Sanand, Dist: Ahmedabad.  National Institute of Occupational Health (NIOH) Meghani nagar, Ahmedabad – 380 016.</b>
<b>6</b>	<b>No. of animals to be sacrificed annually</b>	<b>Albino rats : 100 (either sex) Albino mice : Nil Albino rabbits : Nil Frogs: 240</b>
<b>7</b>	<b>Method of euthanasia and disposal</b>	<b>Euthanasia by giving over anesthetics like chlorophorm and ether.  Disposal of dead animals by burying.</b>
<b>8</b>	<b>Whether a veterinary doctor is employed</b>	<b>No. Assistance of Dr. A. Y. Malekji (Veterinarian) is taken.</b>
<b>9</b>	<b>Housing details (Dimensions / No. of animals)</b>	<b>Plastic cage of 43*27*15 cm for 4 rats/ 10 mice</b>
<b>10</b>	<b>No. of animal rehabilitated</b>	<b>Albino rats : 27 (Female) Guinea pig: 1</b>
<b>11</b>	<b>Alternatives in education</b>	<b>Using CAL (Computer Aided Learning) software for various experiments on frog, rat, rabbit and dog.</b>

**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  $pD_2$  value of Ach using rat ileum.
- 4) To find out  $EC_{50}$  and  $pD_2$  value of Ach using rat fundus strip.
- 5) To find out  $EC_{50}$  and  $pD_2$  value of Ach using rat uterus.
- 6) To find out  $EC_{50}$  and  $pD_2$  value of Adrenaline using rat vas-deference.
- 7) To find out unknown solution of drug using rat ileum.
- 8) To find out  $pA_2$  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 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
<b>IAEC/BMCPER/ 1/10-11</b>	Phytochemical and Pharmacological Investigation of <i>Vitex Negundo</i> Linn.

## **Minutes of Institutional Animal Ethics Committee**

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

#### **Minutes of the meeting held on 24<sup>th</sup> July 2010**

The meeting of IAEC was held on Saturday, 24<sup>th</sup> 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**

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**Signature of IAEC Chairman**

**Signature of the CPCSEA Nominee**