FORMATFORTHESIS PROTOCOL

The thesis protocol should be arranged as:

1. Introduction
2. Review of literature
3. Aims and Objectives
4. Material & Methods
5. Statistical Analysis
6. Ethical Consideration
7. Information to the patients will be in three languages
8. Consent form will be in three languages
9. Information to patients
10. References
11. Annexures
12. Plagiarism report: Up to 12% Plagiarism certificate is allowed. For thesis, plagiarism upto 15%
13. Proforma.

1. Each thesis should preferably have a guide and co-guide from the same department and where ever required, co-guide(s) from other department can be included. The Professor & Head of the department should normally get three PG candidates as supervisor per year because the Head of the department is always one of the Internal Examiner for MD/MS examination as per MCI norms and the thesis of a PG student is an essential part of the total examination process. The remaining PG students in a department should be allotted on rotation amongst all other eligible PG teachers who have been recognized as such by the Panjab University as below: Associate Prof.: 2 PGs; Assistant Prof (after 5 years of Assistant Professor ship: 01 PG).

   Co-guides: Only one Co-guide per student to be allotted from each department. This Co- guide will represent the whole department for thesis purposes

2. Those departments which are performing routine procedures/investigations as applicable for the general treatment of the patients cannot claim co-guides.

3. Only if there are specific tests / investigations/ procedures for thesis purposes, co-guides may be nominated

A **Cover page** as per institution policy (Sample enclosed).

B **Title:** Title should be informative and relevant. It should preferably one sentence/phrase typed in sentence case. Abbreviations should not be used.

C **Introduction/Background (1-2 pages) and it should include**:

i) Describe the problem under consideration (disease/condition) briefly

ii) Discuss about,, What is known? and "What are the gaps?" summaries the review of literature briefly

iii) Write about the research question and its importance. How would answering this research question modify the current state of knowledge?

iv) Conclude this section by stating how the proposal plans to answer the question which should be focused, measurable, achievable and relevant, clear and precise. (However, all these points need to be put in a para form without any bullets/subheadings)

v) Last para should inform why you are going to take up the thesis.

D **Review of Literature should (Not more than 5 – pages)**

i) Summarize the knowledge about the magnitude of the problem under consideration (disease/condition)

ii) Discuss the relevant patho-physiology /pathology (do not include textbook material – very obvious facts)

iii) Review available studies on the subject/intervention related to research question. It is good to provide a summary table of the relevant studies wherever required

iv) Write a summary of the review- "What is already known about the subject?

v) Identify relevant gaps in knowledge,

vi) This should facilitate writing a para on,, Rationale for the study" which should be concluding part of the review of literature.

vii) The names of the research workers of various studies will not be mentioned in the review. Only the year will be mentioned

NOTE: i) The available literature should be listed in chronological order and write in your own words rather than reproducing the para from the sources.

ii) Presentation of review of literature should be in Vancouver Style and names of authors should be avoided in text and the reference number should be super-scribed at the end of each sentence preceded by full stop.

E **Aims and Objectives:**

a) "Aims" refer to what would be achieved by this study or how this study would address a bigger question/issue

b) "Objectives" refer to what would you actually do in this study and how your objectives can achieve the aim.

F **Material and Methods:** The number of cases should be such that the candidate is able to collect data within 6-12 months and the entire work is finished within 2 years after registration. It is advisable to either carry out pilot study or look into the hospital attendance for relevant material.

The methodology should mention:

i) **Study design and setting:** Descriptive, analytical or interventional,

ii) Sample size which is adequate

iii) **Duration of study** including collecting of data, analysis, writing and final submission

iv) **Method of recruitment**, **Inclusion and Exclusion Criteria**

vi) **Sampling technique**

vi) **Type of Intervention**, if any

vii) **Method of follow up** and tools used for assessment

viii) Procedure for recording/controlling confounding variable, if any. Standardization of method and reference to methodology should be given wherever necessary.

Observations to be defined by the students

Outcome measurements if any shall be mentioned by the candidate in case wherever applicable.

CTRI registration is mandatory for clinical trials before enrollment of patients. The candidate should inform their guides regarding completion of the CTRI registration

G **Statistical analysis:** Mention procedure for data entry, statistical methods /software for statistical analysis, methods for handing missing data etc.

Statistical analysis should be in relevance with the research questions in consideration by the candidate conducting the thesis.

H **Ethical consideration and informed consent:** The study will be conducted following the principles outlined in the Declaration of Helsinki and National Ethical Guidelines for Biomedical and Health Research Involving Human Participants given by the Indian Council of Medical Research. The following points will be taken into consideration and will be adhered to:

1. The study shall be conducted on -----. The study plans to investigate-------.
2. Description of intervention planned in the study: -----
3. Each patient will be adequately informed of the aims, methods, the anticipated benefits and the potential risks of the study and discomfort it may entail to him/her and the remedies thereof.
4. Every precaution will be taken to respect the privacy of the patient, the confidentiality of the patient's information and to minimize the impact of the study on his/her physical and mental integrity and his/her personality.
5. Written informed consent will be taken from all the patients/participants included in the study. The patient will be given the right to abstain from participation in the study or to

withdraw consent to participate at any time of the study.

6. Due care and precaution will be taken at all stages of the research to ensure that the patient is put to the minimum risk, suffer from no irreversible adverse effects and generally benefit from and by the research. Standard treatment will not be withheld from the study participants. If any adverse events are noted, these will be notified to the IEC as per national guidelines.

7. **The study participant will not bear any extra cost for participation in the study.**

I **Time frame for submitting the Plan:** It is advisable that the candidate should submit the plan of thesis within 6 - months after registration.

J **Reference:** Use Vancouver style and include reference which the candidate has accessed & read. The total number of references should be limited to 15-25.

Bibliography

i. Journal: The titles of the journals should be abbreviated according to the style used by the Index Medicus. The list of journals indexed, published annually, in the January issue in the index medicus may be consulted.

In citing reference to research papers published in scientific journals, list all authors, but if the number exceeds six, list six followed by "et al"
Example: Gupta GS, Kinsky RG. Effect of immunization with sperm specific lactate dehydrogenase with and without muramyl dipeptide as adjuvant. Indian J Med Res 1991; 100: 98-105

ii) Website: e.g. Hemlata (2006) People "Democracy Weekly Organization of Communist Party of India. Marxist, Vol XXX, No.17April 23rd2006, Accessed from http://www.CSRindia.org/depad-current-project.html. Last Accessed on 30th April, 2011.

iii) Books and other monographs:

- Personal author(s): Colson JH, Armour WJ, Sports injuries and their treatment. 2nd rev. ed. London S Paul:1986.
- Editor(s) or compiler(s) as author(s): Matyavati GV, Raina MK, SharmaM, editors, Medicinal plants of India. Vol. I New Delhi: Indian Council Medical Research; 1976.
- Organization as author and publisher: Virginia Law Foundation. The medical and legal implications of AIDS. Charlottesville : The Foundation; 1987
- Chapter in a book: Weinsterin L, Swartz MN, Pathogenic properties of invading micro-organisms. In: Sodeman WA, editors. Pathologic physiology: mechanisms of disease. Philadelphia : Sunders; 1974p. 457-72.

iv) Conference proceedings

Vivian VL, editor, child abuse and neglect: a medical community response ProceedingsoftheFirstAMANationalConferenceinChildAbuseandNeglect; 1984

Mar 30-31; Chicago, Chicago: American Medical Association: 1985.

v) Conference paper

HarleyNII. Comparing radon daughter dosimetric and risk models. In Gammange RB, Kaye SV, editors. Indoor air and human health. Proceedings of the Seventh Life Sciences Symposium; 1984 OCT 29-31 : Knoxville (TN) Chelsea (MI0 : Lewis; 1985p. 69-78.

vi) Scientificortechnicalreport

Akutsu T. Total heart replacement device. Bethesda (MD): National Institute Health, National Heart and Lung Institute; 1974 Apr. Report No. : NIH-NHLI-2185-1.

vii) Dissertation:

Thesis (doctorate): Satyanarayana K. Some biochemical studies on the ten otomized gastrocnemius muscles offrog. Ranahexadactyla(Lesson), Ph.D thesis.TirupatiSriVenkateswraUniversity:1976.

vii) Patent

HarredJF, Knight AR, Mclntyre JS; Inventors: Dow Chemical company, assignee. Epoxidation process. US patent 3.654.317.1972 Apr 4.

viii) Unpublished material:

- Inpress

Lillywhite HB, Donald JA. Pulmonary blood flow regulation in anaquatic snake science. In press.

- Unpublished data/personal communications:

Unpublished data and personal communications should be indicated in the text itself and not numbered.

(i) (Swami KS, unpublished work); (ii) Swami KS, personal communication); (iii) (National Institute of Nutrition, unpublisheddata).

Allreferencesgivenmustbeoriginalandcomplete.References“citedby”and“quoted by” from other publications should be avoided.

K **Annexures:** questionnaires/measurement tools etc.

L **Patient information sheet and consent form:** Both in English and local languages.

The text of the thesis protocol should be typed in 12-size Times New Roman font on both sidesofthepaper.Paragraphsshouldhave1.5spacing.Eachsectionshouldstartfromanew page. Pages should be numbered starting from first page of introduction. Page number should be inserted centrally aligned at bottom of the page.

PATIENTINFORMATIONSHEET(PIS)

The protocol must be accompanied by the patient information Sheet addressed to patient. The Informed Consent form to be used in the study should be signed by two witnesses. While formulating the patient information sheet, investigator must provide the subjects with the following information in simple language (no scientific terms), also **local language conversion: e.g. Hindi**, which can be understood by them.

i. Aims and methods of the research
ii. Expected duration of the subject participation.
iii. The benefits to be expected form there search to the subject or toothers.
iv. Any risk to the subject associated with study.
v. Maintenance of confidentiality of records.
vi. Provision of free treatment for research related injury
vii. Compensation of subjects for disability or death resulting from such injury.
viii. Freedom of individual to participate and to withdraw from research at any time without penalty or loss of benefits to which the subject would otherwise be entitled.
ix. Amount of blood sample to be taken should be mentioned in PIS in ml.
x. Costs and source of investigations, disposables, implants and drugs/contrast media must be mentioned in the PIS.
xi. If at any time they feel to withdraw form the study they can do so. No questioning will be done form the participant in this context.
xii. Address and phone number of the student must be given in the patient information sheet.
xiii. It should be accompanied with Standard Consent form: With place for signatures of patient or parents (in case of enrolled subject being minor),witness and the researcher.

PATIENTINFORMEDCONSENTFORM

Patient identification number for this trial: _____

Title of projects: _____

_____

Name of Principal Investigator: _____Tel.No.(s)_____

The contents of the information sheet dated……(version)……that was provided have been read carefully by me /explained in detail to me, in a language that I comprehend, and I have fully understood the contents. I confirm that I have had the opportunity to ask questions.

The nature and purpose of the study and its potential risks/ benefits and expected duration of the study, and other relevant details of the study have been explained to me in detail. I understand that my participation is voluntary and that I am free to withdraw at any time, without giving any reason, without my medical care or legal right being affected.

I understand that the information collected about me from my participation in this research and sections of any of my medical notes may be looked at by responsible individuals. I give permission for these individuals to have access to my records.

I agree to take part in the above study.

……. Date:
(Signature/Left Thumb Impression) Place:

Name of the Participant: _____
Son/Daughter/Spouse of:

_____
Complete postal address: _____

This is to certify that the above consent has been obtained in my presence.

…….. Date:
Signatures of the Principal Investigator Place:

1) Witness-1 2)Witness-2

…… ……
Signatures Signatures

Name: Name:

Address: Address:

NB Three copies should be made, for (1) patient (2) researcher, Institution

APPLICATION FOR THE APPROVAL OF THE SUBJECT OF THESIS FORM.D./M.S. (Subject Name) EXAMINATION, PANJAB UNIVERSITY,CHANDIGARH.

1. Name of the student	:	Dr.xxxxx
2. Fathe's Name	:	Mr.xxxx
3. i) Name of the department in which registered	:	Department of xxxx, Government Medical College and Hospital,Sector-32,Chandigarh.
ii)Date fromwhich registered	:	xxxxx
4. Degree for which plan of thesis is submitted	:	M.D./M.S.(Subject Name)
5. Year and month of passing MBBS examination	:	xxxxxx
6. Name of the university from which passed	:	xxxxxxx
7. Proposed subject of thesis	:	xxxxxx
8. Facility available for proposed work	:	All facilities available at Government MedicalCollegeandHospitalSector-32, Chandigarh.
9. Details of the cost likely to be incurred on animals, laboratory Equipments etc requiredfor thesis project.	:	Nil

NAME,DESIGNATIONANDADDRESSOFSUPERVISORS

1. Supervisor : Dr. xxxxxx
Designation
Department of xxxxx,
GovernmentMedical College and
Hospital, Sector-32, Chandigarh.

2. Co-Supervisor(s) :Dr. xxxxx
Designation
Department of xxxxxx,
Government Medical College and
Hospital, Sector-32, Chandigarh.

Dr.xxxxxx
Designation,
Department ofxxxxx,
Government Medical College and
Hospital, Sector-32, Chandigarh.

PLACE: CHANDIGARH (SIGNATUREOFCANDIDATE)

DATE:

CERTIFICATE

I/We certify that facilities for working on the thesis entitled "xxxxxx" do exist in the department, hospital, laboratory under my/our charge and these shall be provided to candidate for his/her research work in pursuance of his/her plan of thesis. I/We shall guide the candidate in his/her work and shall ensure that the data being included in the thesis are genuine and that the work is being done by the candidate himself.

(Signature of Supervisor)
Name and Designation

(Signature of Co-supervisor)
Name and Designation

(Signature of Co-supervisor)
Name and Designation