A PROJECT REPORT ON

"RECENT ADVANCEMENT OF DRUGS USED IN THE TREATMENT OF HYPERTENSION"

Partial fulltime of the requirement for the award of degree of BACHELOR OF PHARMACY
Session 2021-2022



Supervised by Mrs. Meenakshi Jaiswal

(Assistant Professor)

Submitted by SUPRIYA BAZARI

B. Pharm VIII Sem Roll no. 18006050 Enrol no.- GGV/18/6335

Department of Pharmacy, Guru Ghasidas Vishwavidyalaya Bilaspur (C.G.)



>9

2

アラママママ

ورد

5,3

e_q

Cor

t_vi

Ų

Ų

DEPARTMENT OF PHARMACY GURU GHASIDAS VISHWAVIDYALAYA. BILASPUR(C.G.)

(A central University Establihed by the Central University Act 2009 No. 25 of 2009)

Tel.:07752-260027 (O); 98271-50112 (R), fax; 07752-260148

FORWARDING CERTIFICATE

This is to certify that Supriya Bazari S/O Mr. Barun Bazari is a student of B. Pharm. VIII semester in Department of Pharmacy, Guru Ghasidas Vishwavidyalaya, Bilaspur has submitted his final project report entitled "Recent Advancement Of Drugs Used In The Treatment Of Hypertension" for the partial fulfilment of the requirement for the Degree of Bachelor of Pharmacy. He has submitted his project report under the supervision of Mrs. Meenakshi Jaiswal (Assistant Professor). His work is Satisfactory and is not submitted anywhere else for the award of any degree.

I heree recommended forwarding his project report for the Final- Year project work in B. Pharmacy during the academic session 2021-2022.

Forwarded by

Date: - 02/05/2022

Place: Bilaspur.

HOD of Pharmacy

HEAD
S.L.T. Institute of Pharm. Sciences
Guru Ghasidas Vishwavidyalaya,
Bilaspur (C.G.)



DEPARTMENT OF PHARMACY GURU GHASIDAS VISHWAVIDYALAYA. BILASPUR(C.G.)

(A central University Established by the Central University Act 2009 No. 25 of 2009)

Tel.:07752-260027 (O); 98271-50112 (R), fax; 07752-260148

CERTIFICATE

This is to certify that Supriya Bazari S/O Mr. Barun Bazari student of B. Pharm. VIII semester in Department of Pharmacy, Guru Ghasidas Vishwavidyalaya has submitted his project entitled "Recent Advancement Of Drugs Used In The Treatment Of Hypertension" for the partial fulfilment of the requirement for the Degree of Bachelor of Pharmacy under my guidance during academic session 2021-2022.

I here recommended forwarding his project report for the Last-Year project work in B. Pharma during the academic session 2021-22.

I wish his every success in future life.

Date: - 02/05/2022

Place: - Bilaspur.

4

Supervised by

Mrs. Meenakshi Jaiswal (Assistant Professor)



DEPARTMENT OF PHARMACY

GURU GHASIDAS VISHWAVIDYALAYA. BILASPUR(C.G.)

(A central University Established by the Central University Act 2009 No. 25 of 2009)

Tel.:07752-260027 (O); 98271-50112 (R), fax; 07752-260148

DECLARATION BY THE CANDIDATE

I hereby declare that the project report presented in this project entitled "RECENT ADVANCEMENT OF DRUGS USED IN THE TREATMENT OF HYPERTENSION" submitted as partial fulfillment of requirements for the degree of Bachelor of Pharmacy has been performed in the Department Of Pharmacy, Guru Ghasidas Vishwavidyalaya, Bilaspur under the guidance and suggestions of my supervisor Mrs. Meenakshi Jaiswal (Assistant Professor).

Supriya Bazari

B. Pharm (8th Sem) Roll no. 18006050 Enrol no. GGV/18/6335

ACKNOWLEDGEMENT

Firstly I would like to take this opportunity to voice and record my gratefulness and thanks to my guide Mrs. Meenakshi Jaiswal. Under whose guidance this project has been brought to completion.

Who also helped me in completing my project. I came to know about so many new things I am really thankful to them . Secondly, I would also like to thank my parents and friends who helped me a lot in finalizing this project within the limited time frame .

I am highly grateful to H.O.D, Department of Pharmacy, Guru Ghasidas Vishwavidyalaya, Bilaspur (C,G) for this kind permission to carry out the present study.

Supriya Bazari

B. Pharm 8th Sem Roll no- 18006050

Enrolment No- GGV/18/6335

CONTENTS

- 1. Introduction
- 2. Definition of Hypertension
- 3. Renin Angiotensin System
- 4. Mechanism of Drug Action
- 5. Reserpine
- 6. Guanthidine
- 7. Ganglionic blockers
 - I) Monoamine Oxidase (MAO) Inhibitors
 - Parglyline
 - ii) Decarboxylase inhibitors : alpha methyldopa (AMD)
 - -Hydralazine
 - chlorthiazide
- 8. Selection Of Cases For Therapy
- 9. Conclusion

4

10. References