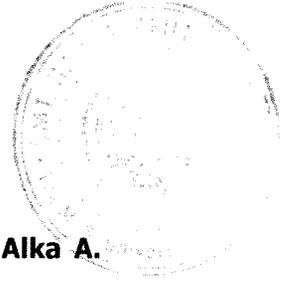


ACKNOWLEDGEMENT



I express my deep sense of gratitude to my guiding teacher **Dr. (Mrs.) Alka A. Mehta**, Ex-associate Professor, Department of Medical Biochemistry, Baroda Medical College and S.S.G.Hospital, Vadodara, for her constant guidance, encouragement, valuable suggestions, enthusiasm and vast knowledge, without which, this study would not have been given the present shape.

I would acknowledge my indebtedness to my respected sir, **Dr. Prabhudas S. Patel**, Head, Biochemistry Research Division, The Gujarat Cancer & Research Institute, Ahmedabad, for introducing me into the challenging field of oncology. His positive attitude towards life in general and his never failing optimism have supported and encouraged me during these years. It is my privilege to carry out this study under his guidance. I must thank him for his guidance, constructive criticism and spending so much time discussing intricate details- it would be impossible to list all the support!!

I am sincerely grateful to **Dr. Pankaj M. Shah**, Director, The Gujarat Cancer & Research Institute, Ahmedabad, for permitting me to do Ph.D. work and providing infra-structures facilities required for conducting experiments.

I take this opportunity to sincerely thank **Dr. Shilin N. Shukla**, Deputy Director-Research and Education, The Gujarat Cancer & Research Institute, Ahmedabad, for permitting me to accomplish Ph.D. work in this esteemed institute as well as for his complete support and encouragement.

I am also thankful to **Dr. Kirti M. Patel** Deputy Director-Medical Services and **Dr. Rajendra I. Dave** Deputy Director-Surgical Services, The Gujarat Cancer & Research Institute, Ahmedabad for their help.

I also warmly express sincere thanks to **Prof. & Head, Dr. Dinesh A. Trivedi** Department of Medical-Biochemistry, Baroda Medical College and S.S.G.Hospital Baroda, and the staff members of the department for their help and support.

I express my special appreciation to my senior colleagues **Dr. Jayendra B. Patel**, **Dr. Franky D. Shah**, **Dr. Rachna N. Sainger** and **Dr. Manisha H. Shah** for their

valuable suggestions and encouragement during these years. It has been a great pleasure to work with them.

I would also like to thank my colleagues **Ms. Tina K. Dave, Ms. Vandana N. Patel** and **Ms. Hetvi K. Patel** for their ongoing friendship and sharing continuous support during this study.

I am thankful to **Mrs. Kantaben Solanki** and **Mrs. Ashaben J. Chauhan** for their help.

I thank **Mr. Nareshbhai Shah** and **Mr. Jagdishbhai Dave** for providing library facilities and co-operation.

I would also like to thank **Mr. Mohmad Al-Waldi** and his staff members (Sultan Qaboos University and teaching Hospital, Muscat, Oman) for providing their library their library facility.

I owe my deepest gratitude to my grand parents especially my grandfather **Late Mr. Chhotubhai K. Desai** and my younger brother **Mr. Chirag A. Desai** for their love, support and encouragement during this work. I warmly thank my younger sister **Mrs. Anita A. Desai** and her husband **Mr. Ankur R. Desai** for their love and encouragement.

I also thank my in laws, **Mr. Narayanchandra B. Bhakta, Mrs. Sushama N. Bhakta, Mr. Sudipta N. Bhakta** and **Mrs. Deepali B. Maiti** and her **family** for their love, support and encouragement during my Ph.D. work.

I would also like to express thanks to our **friends** and **relatives** residing in India as well as abroad for their moral support.

I am very much thankful to my all **well-wishers**, if I have forgotten to acknowledge them knowingly or unknowingly who have helped in completing my thesis.

Last but not the least, I am greatly indebted to the **subjects** who through their silent suffering, co-operated to enable this study to see the light of the day, without whom this study could not have been completed.

Ahmedabad, June 12 2008


Ms. Amisha A. Desai