

CURRICULUM VITAE

Name: Prof. Dr. Asim Mumtaz
Place of Posting: Professor of Chemical Pathology
Akhtar Saeed Medical College Lahore.
Date of Birth: 18th November, 1958
Address: 55- B, PCSIR Phase I Canal Bank Lahore, Pakistan.
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GENERAL QUALIFICATION

Matric	1974	Govt. Central Model School Lahore.
F.Sc	1976	Govt. F.C College Lahore.

PROFESSIONAL QUALIFICATION

M.B.B.S	1983	Allama Iqbal Medical College , Punjab University
M.Phil (Chemical Path)	1995	Postgraduate Medical Institute Lahore.

GOLD MEDALS/DISTINCTION/SCHOLARSHIP

Got Scholarship in Matric

Got **Distinction** in M.Phil Chemical Pathology and was awarded **Gold Medal**.

PROFESSIONAL EXPERIENCE

LAST POSTING

Professor & Head of Department

Central Park Medical College	01.08.2015	27.12.2019
Shalamar Medical College Lahore	06.01.2011	31.07.2015

Associate Professor	11.07.2006	31.1.2011
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Chemical Pathology Department & Head of Allied Health Sciences Department
University of Health Sciences, Lahore.

Duties & Responsibilities of Last Posting

- Worked as **Professor & Head of Pathology Department** at Central Park Medical College Lahore.
- **Teaching** students of 3rd & 4th Year MBBS, Allied Health Sciences & B.Sc Nursing.
- Worked as Principal Allied Health Sciences at Central Park Medical College since 23rd May 2016.
- **Lab Work-** Supervision of labs of two hospitals, Supervision of Quality Assurance Program, purchase of kits, equipment and coordination with consultants for interpretation of lab results of patients. Training & Supervision of students M.Phil Chemical Pathology and M.Phil Medical Laboratory Sciences of UHS.

PREVIOUS POSTINGS

House Job			
Medicine	15.12.83	15.06.84	Services Hospital, Lahore.
Surgery	16.06.84	15.12.84	Services Hospital, Lahore.
Assistant Pathologist	05.01.85	22.03.89	Emergency Laboratory Mayo Hospital, Lahore.
Demonstrator	23.03.89	31.10.92	Pathology Dept. K.E.M. C Lahore.
Deputation	01.11.92	28.02.95	Postgraduate Medical Institute Lahore.
Research Officer	01.03.95	02.01.99	Research Centre, Pathology Deptt. King Edward Medical College Lahore.
Assistant Professor	03.01.99	7.5.2003	Children Hospital & Institute of Child Health Lahore.
Consultant Chemical Pathologist	05.04.03	10.07.06	Shalamar Hospital, Lahore.
Associate Professor	11.07.06	31.12.2010	University of Health Sciences Lahore

Professional and Academic Experience

During House Job in medicine I have dealt with the medical emergencies and performed Lumber puncture and other routine medical procedure.

During house Job in surgery I have dealt with surgical emergencies and performed all the routine surgical procedures.

As Assistant pathologist I gained experience in performing all routine hematological, biochemical and microbiological laboratory parameters.

As demonstrator I have worked on rotation basis in all discipline of pathology with keen interest in Chemical pathology and Haematology.

As Research Officer/fellow at Research Centre K.E Medical College I was assigned to supervise chemical pathology parameters. I also participated in various research projects being carried out by various wards. I also organized and coordinated different postgraduate academic courses and workshops.

As Assistant Professor Chemical Pathology:

- **Supervised routine as well as specialized** Chemical Pathology parameters in chemical pathology department of Children's Hospital, Lahore.
- **Interpretation of biochemical parameters** and communication about abnormal results with various consultants looking after outpatient and inpatient departments of Children's Hospital, Lahore.
- Supervised **Quality Control Program** being run in the chemical pathology department.
- Worked as **Course Coordinator** of Medical Laboratory Technology which is being carried out at School of Allied Health Sciences, Children Hospital.
- **Teaching** clinical chemistry, medical instrumentation and advanced clinical biochemistry to students of Medical Laboratory Technology Course.
- **Administrative Work-** Purchase of Kits, Instruments.

As Associate Professor Chemical Pathology & Head of Department of Allied Health Sciences at University of Health Sciences:

- Teaching students of M.Phil Chemical Pathology & M.Sc Medical Laboratory Technology
- Supervision of thesis of students of M.Phil & MSc
- Worked as member affiliation Committee of UHS
- Worked as member of Technical & Inspection Committee of UHS
- Worked as member Migration committee

THESIS WORK

Topic of Thesis for M.Phil was:

“Thyrotropin Receptor Autoantibodies in First Degree Relatives of Graves' Disease Patients.”

I worked on the prevalence of TSH receptor autoantibodies in one hundred first degree of relatives of Graves' disease patients and followed these cases for six months to one year for assessing thyroid hormones and autantibodies in positive cases. The prevalence of TSH receptor autoantibodies was 14 % in first degree relatives of Graves' disease patients.

TRAINING COURSES / WORKSHOPS ORGANIZED

1. Workshop on Research Methodology
Research Center K.E. Medical College Lahore. (22.12.95 to 28.12.95)
2. Training Course in Pathology for FCPS, M.Phil, DCP.
Research Center K.E. Medical College Lahore. (12th-15th March 1996)
3. Monthly Meetings of Quality Assurance Program among
Labs of KEMC and Mayo Hospital, Lahore.
4. Workshop on Endocrinology (By. Col. Farooq A.Khan)
Research Center K.E. Medical College Lahore. (4th - 6th Jan. 1997.)
5. Training Course for FCPS (1)
Research Center K.E. Medical College Lahore. (12th Sep -15th Oct 1997)
6. Quality Assurance Workshop (By Col. Farooq A. Khan)
Research Center K.E. Medical College Lahore. (11th - 12th Nov. 1997)
7. Quality Assurance Workshop at Children's Hospital Lahore.
(22nd March 2003)
8. Lab Accreditation Workshop (Col. Dilshad A.Khan)
Shalamar Hospital Lahore (24th Dec 2004)
9. Coordinated First National Conference of Pakistan Society of Chemical
Pathologists At K.E. Medical College Lahore. (24th – 26th Feb 2005)
10. One Day Seminar on Lab Management at Shalamar Hospital Lahore.
(6th May 2006)

WORKSHOPS/CONFERENCES ATTENDED

1. Basic Computer Course at King Edward, Medical College Lahore.
(15th Jan to 15th Feb, 1992)
2. Annual Symposium Postgraduate Medical Institute Lahore. (1st to 3rd Dec. 1992)
3. Workshop on Hematological Disorders at PGMI Lahore. (26–29 March, 1992)
4. Workshop on Quality Control in Clinical Chemistry at PGMI Lahore.
(29th to 31st March 1993)
5. First National Chemical Pathology Symposium at PGMI Lahore. (30th to 31st March 1993)
6. Workshop on Research Methodology at Research Centre KEMC.
(23rd to 28th Dec. 1995)
7. Workshop on Endocrinology (By Col. Farooq A. Khan) Research Center Lahore.
(4th – 6th Jan 1997)
8. Workshop on Quality Control (By Col. Farooq A. Khan) Research Center Lahore
(11th & 12th Jan 1997)

9. Quality Assurance Workshop at Children Hospital Lahore, (22nd March 2003)
10. Workshop on Quality Management System 9000(QMS.9000). 25th June 2003- By Pakistan National Accreditation Council, Govt. of Pakistan
11. Lab Accreditation & Quality Assurance Workshop, by Pakistan Association of Pathologists (PAP) at AFIP.
12. First National Conference of Pakistan Society of Chemical Pathologists At K.E. Medical College Lahore, on 24th – 26th Feb 2005.
13. 29th Annual Conference of PAP, On 16th -19th Nov 2005 at Expo Center Karachi.
14. 2nd Annual Scientific Symposium of AIMC ALUMNI on 25th December 2005 at AIMC Lahore.
15. One Day Seminar on Lab Management at Shalamar Hospital on 6th May 2006.
16. 30th Annual Conference of Pakistan Association of Pathologists, on 27th November, 2006, Lahore.
17. Training Course –Awareness & Internal Auditing-ISO 9001-2000 at Shalimar Hospital Lahore.
18. Five Day workshop on Research Methodology at Fatima Memorial College Lahore. (8th -12th May 2006)
19. Interactive Workshop on Diagnostic Aspects of Diabetes Mellitus on 27th November 2006 at Children Hospital Lahore.
20. First Biennial Course in Chemical Pathology at AFIP Rawalpindi on 18-20 August, 2006.
21. Workshop on LEADING TRANSFORMATIONAL CHANGE by Higher Education Commission, Pakistan on 18th -19th July, 2007.
22. 2nd Biennial Course in Chemical Pathology at AFIP Rawalpindi on 1-3 February, 2008.
23. 3rd National Conference of Pakistan Society of Chemical Pathologists at Quaid-e-Azam Medical College, Bahawalpur, on 4th – 6th March 2009.
24. Workshop on Research Process & Medical Writing. 29th December to 2nd January 2010 at Institute of Public Health, Lahore
25. Professional Competence Enhancement Program for Teachers Course under UHS – HEC Collaboration from 11th January 2010 to 4th February 2010 at University of Health Sciences Lahore.
26. 3rd Biennial Course in Chemical Pathology: 2nd & 3rd April 2010 at Armed Forces Institute of Pathology, Rawalpindi
27. 34th National Conference of Pakistan Association of Pathology 5th -7th November 2010 at KEMU Lahore.
28. Pakistan Association of Medical Laboratory Sciences, Conference. 27th -28th February 2011, at AIMC Lahore.

29. 4th Biennial Course – Paper Presentation – 16th - 17th March 2012, AFIP Rawalpindi
30. 4th Biennial Course – Certificate of Participation in Course– 16th - 17th March 2012, AFIP Rawalpindi
31. Medical Education Workshop – Standard Setting in Examination & Item Analysis on 2nd – 4th April 2012 at UHS Lahore.
32. 1st Joint Conference of PAP/ Societies of Pathologists held on 7th – 9th December 2012 at AFIP Rawalpindi.
33. 37th Annual Conference of PAP held on 20th -22nd December 2013 at Pearl Continental Lahore.
34. AEME Conference on Professionalization of Health Professions Education: Impact of healthcare , 7th – 9th March 2014 at UHS.
35. World TB Day Seminar held on 24th March 2014 at Shalamar Institute of Health Sciences Lahore.
36. Workshop on Stress Management held on 22n April 2014 at Shalamar Institute of Health Sciences Lahore.
37. Workshop on Short Essay Questions & Short Answer Questions held on 7th May 2014 at Shalamar Institute of Health Sciences Lahore.
38. Workshop on Qualitative Research held on 29th – 30th May 2014 at Shalamar Institute of Health Sciences Lahore.
39. Workshop on Leadership held on 26th August 2014 at Shalamar Institute of Health Sciences Lahore.
40. Workshop on Emotional Intelligence held on 11th September 2014 at Shalamar Institute of Health Sciences Lahore.
41. AEME Conference – **Workshop on Making Medical Writing easy** held on 6th March 2015 at Foundation University Medical College Islamabad.
42. AEME Conference – held on 7th – 9th March 2015 at Foundation University Medical College Islamabad.
43. As Panel of Expert in World TB Day Seminar held on 24th March 2014 at Shalamar Institute of Health Sciences Lahore.
44. Promethean Interactive Board Training held on 26-27th March 2015 at Shalamar Institute of Health Sciences Lahore.
45. Seminar on Serology – A Diagnostic Tool on 14th April 2015 at CMH Medical College Lahore.
46. Workshop on Interpretation on Blood Gas Results on 5th November 2015 at University of Health Sciences Lahore.
47. 3rd Joint Conference/38th National Conference of PAP/ Societies of Pathologists held on 6th -8th November 2015 at Lahore.

48. Workshop on Team Based Learning on 29th October 2015 at Allama Iqbal Medical College, organized by University of Health Sciences Lahore.
49. International Conference on “ The integrated curriculum for un-integrated Practice, on 30th & 31st October 2015 at University of Health Sciences Lahore.
50. Symposium on Thyroid Disorders- Cost Effective Diagnosis on 10th March 2016 at University of Health Sciences Lahore.
51. Symposium on Growth Disorders on 30th April 2016 at University of Health Sciences Lahore.
52. 7th Annual Course on Chemical Pathology on 13-14 May 2016 at AFIP Rawalpindi.
53. International Conference on Medical Professionalism in Challenging Times- on 27th -29th October 2016 at University of Health Sciences Lahore.
54. As judge for Oral Presentations in 1st UHS Allied Health Sciences, Nursing & Pharmacy International Conference on 26th November 2016, at University of Health Sciences Lahore.
55. Seminar on “Newborn Screening & Inherited Metabolic Disorders” on April 1st 2017 at Shalimar Hotel Jail Road Lahore.
56. Symposium on Spectrum of Endocrinology on 28th September 2017 at Shalimar Institute of Health Sciences Lahore.
57. Paper Presentation in Seminar on Diabetes Mellitus – Lab Perspective on 26th January 2019 at Chughtai Institute of Pathology Lahore.
58. 18th Annual Laboratory Management & Medicine Congress (MEDLAB 2019) on 4th – 6th February 2019 at Dubai by Cleveland Clinic Foundation Center. (12.50 Credits).
59. 10th Annual Conference of PSCP held at AFIP Rawalpindi on 4th -5th October 2019.
60. Seminar on Drugs of Abuse by Pakistan Society of Chemical Pathologists in Collaboration with Chughtai Institute of Pathology on 7th December 2019. (CME Hours – 02)

PUBLICATIONS

1. Shabbir A, **Mumtaz A**, Yaqoob M. Experience of Enzyme Replacement Therapy in Type-111 Gaucher Disease in Pakistan Pak Peads J 1999; 23(3): 97-6
2. Shabbir A, Iqbal J, **Mumtaz A**, Jabeen M, Maqbool S. .Flourosis in a suburb of Lahore (a report) Pak Peads J 2001; 25(4):139-143.
3. Haroon M, Laeeq A, **Mumtaz A**, Hussain S, Maqbool S. Billirubin Estimation in Neonatal Jaundice: A Comparative study between Autoanalyzer (Diazo Method) and Billirubinometer (Direct Photometric Method) Pak. Peads J 2003; 27(2): 68-73.
4. Iqbal S, Shariff MM, **Mumtaz A**, Amin D, Manzoor A. Incidence of co-infection of Hepatitis B and C in Healthy Blood Donors screened at Shalamar Hospital Laboratory Lahore. IJBS. 2004; 1 (1): 50-3
5. Iqbal S, Ahmed R, Yousaf MH, **Mumtaz A** Prevalence of Hepatitis B surface Antigen and Hepatitis C Virus among general population in Lahore. Professional 2004; 11(3): 11-14.
6. Amin J, Yousaf MH, **Mumtaz A**. Frequency of Risk Factors for Transmission of Hepatitis C Virus. Pakistan Journal of Gastroenterology 2004; 18(1): 32-5
7. Anees M, **Mumtaz A**, Rizwan SM, Amin J, Moeen H, Shariff MM. Hematuria: a rare presentation of G6PD deficiency. Gomal J Med Sci Jun 2005; 3(1):27-9
8. Iqbal S, Ahmed R, Yousaf MH, **Mumtaz A**, Amin D, Rasool G, Manzoor A. HCV INFECTED PATIENTS: Assessment of major genotypes and subtypes of Hepatitis C virus. Professional 2007; 14(2): 266-271.
9. Anees M, **Mumtaz A**, Nazeer M, Ibrahim M, Rizwan SM, Kausar T Referral pattern of haemodialysis patients to nephrologists. JCPSP: 2007;17 (11): 671–4
10. Shariff MM, Maqbool S, Butt TK, Iqbal S, **Mumtaz A**. Justifying the clinical use of fresh frozen plasma- an audit. JCPSP: 2007;17 (4): 207- 10
11. Anees M, Barki H, Massod M, Ibrahim M, **Mumtaz A**. Depression in haemodialysis patients. Pak J Med Sci. 2008; 24(3): 560-5
12. **Mumtaz A** Ahmed T, Ahmed D, Rashid N. Lead Exposure in Children Living Around the Automobile and Battery repair Workshops. Biomedica. 2009; 25:128-32
13. Rashid N, **Mumtaz A**, c, Afzal N, Haq S, Ahmed T. Thyroid Dysfunction in Down Syndrome Patients. Pak Paed J. 2009;33(4):211-7.

14. Anees M, **Mumtaz A**, Barki MH, Ibrahim M, Hussain S, Uzair M. Sex hormones and erectile dysfunction in hemodialysis patients. Pak J Med Sci. 2009; 25(6):922-7
15. Anees M, **Mumtaz A**, Ibrahim M, Shaheen SM. Effect of Anaemia and hyperhomocystine on Mortality of Hemodialysis Patients. IJKD. 2010;4(1): 60 - 65
16. **Mumtaz A**, Anees M, Barki H, Sami W, Hussain S. Erectile Dysfunction in Haemodialysis Patients. JAMC. 2009;21(2): 4-7
17. **Mumtaz A**, Anees M, Bilal M, Ibrahim M, Asghar A. Beta 2 Microglobulin level in haemodialysis patients. SJKDT.2010;21(4):
18. Iqbal S, Amin D, **Mumtaz A** and Shabir I. Significance of appropriate sampling in the diagnosis of Tuberculosis (TB) – A comparison of different techniques. Biomedica. 2010; 26:39-44
19. **Mumtaz A**, Afzal N, Sami W, Mehmood S, Javed K. Evaluation of four ELISA based Immunoassays for the detection of IGM antibodies against Dengue virus. Biomedica.2010; 26:54-7
20. Atif M, **Mumtaz A**, Ahmed R, Abu Zafar, Nisa FU, Ibrahim M. Correlation of HbA1c with Zinc and magnesium in patients with type 2 diabetes mellitus. Pak Journal of Path. 2011; 22(1):24-28
21. Kanwal A, **Mumtaz A**, Ibrahim M, Butt TA, Qureshi SA. Knowledge attitude and practice of Quality Assurance among medical laboratory technologists working in laboratories of Lahore. Physician Academy. 2012;6(2): 17-22
22. Anees M, **Mumtaz A**, Farooqi S, Ibrahim M, Hameed F. Serum Trace elements (Aluminium, copper, zinc) in haemodialysis patients. Biomedica. 2011;22:106-110
23. Iqbal S, Ahmed R, Adhami SZ, **Mumtaz A**. Importance of Polymerase Chain reaction in diagnosis of pulmonary and extra pulmonary tuberculosis. J Ayub Med Coll. 2011;23(10): 73-76
24. Butt T, **Mumtaz A**, Qasim A, Hameed N. Ibrahim M and Azhar K. Assessment of thyroid dysfunction in children with coeliac disease. Biomedica.2011;.27:123-8
25. Yasmeen F, **Mumtaz A**, Adhami SZ, Qureshi SA. Comparison of Cation exchange HPLC and Immunochromatographic method for determination of HbA1c. Biomedica. 2011; 27:161-5
26. Anees M, Hameed F, **Mumtaz A**, Ibrahim M, Saeed MN. Dialysis related factors affecting quality of life in patients on haemodialysis. IJKD. 2011;5(1):50-52
27. Afzal N, Javed K, Saleem UZ, **Mumtaz A**, Hussain S. Percentage of CD4 and CD8 T-Lymphocytes in blood of tuberculous patients. J Ayub Med Coll. 2010;22(4):183-187
28. Saadia A, Yousaf MH, Qureshi SA, **Mumtaz A**. Congenital Methaemoglobinaemia. IJKD.2012;7(2):

- 29, Qayyum S, Adhami SZ, Butt TA, **Mumtaz A**, Qureshi Sa. Parathyroid Hormone Levels in Vitamin D Deficient Females. *Biomedica*.2013;29:88-91
- 30 Hameed MN, Sadiq F, **Mumtaz A**, Khan S, Q TJ. Growth hormone Estimation; Insulin like growth Factor-1 a possible alternative. *Professional* 2013; 20(3): 385-390
- 31 Sadiq F, Hameed N, **Mumtaz A**, Yasmeen F, Butt T, Khan KA. Ghrelin Levels in obese children of diabetic parents. *J Diabetes Endocrinol*; 4(1):6-11
- 32 Hussain w, **Mumtaz A**, Khan S, Butt T. Reference Range for Copper in adult population (20-29 year) of Lahore- Pakistan. *Majmaah J Health Sciences*. 2013;1(2): 28-33
- 33 Nissa F, **Mumtaz A**, Ullah MI, Atif M, Sami W. Determination of serum Zinc and Magnesium levels in patients with hypothyroidism. *Trace Elements & Electrolyte*. 2013: 1-5
- 34 Sadiq F, Yasmeen F, **Mumtaz A**, Hussain W. Frequency of Errors in Clinical Laboratory Practice. *Iranian Journal of Pathology*. 2014; 9(1): 45-49
- 35 Knowledge Attitude and Practice (KAP) of Chronic Kidney Disease among Medical Officers of Teaching Hospitals of Lahore. Anees M, **Mumtaz A**, Adhmi SZ, Ibrahim M. *ANNALS*. 2014;20(1):5-12
- 36 Comparison of Vitamin D level between urban and rural college students. Butt TA, Yasmeen F, Alavi N, **Mumtaz A**. *P JM HS*. 2014;8(4):912-915
37. Batool H, **Mumtaz A**, Chughtai AS. Perception of undergraduate medical students about different formats of assessments in subject of Pathology. *JUMDC*. 2017; 8(2):40-45
38. Batool H, **Mumtaz A**, Chughtai AS. Interactive sessions; lectures and small group discussions: a comparative study in subject of pathology among undergraduate students of central park medical college. *Professional Med J* 2017;24(1):195-199
39. Batool H, **Mumtaz A**, Chughtai AS, Sadaqat A, Shah IA. Academic performance in Medical education: A descriptive study based on academic performance of MBBS students of Central Park Medical College over a period of five years. (*Professional Med J* 2017;24(11): 1733-1739
40. Shah IA, **Mumtaz A**, Chughtai AS. Subjective Happiness and Academic Procrastination Among Medical Students: The Dilemma of Unhappy and Lazy Pupils. s. *PRAS* 1: 008
41. Nirmeen M, Hijab B, **Mumtaz A**. Physicians' perception about unnecessary test ordering in health care system of Pakistan. (Accepted-Annals of PIMS)

42. Nawaz A, Shah IA, **Mumtaz A**, Chughtai AS. Alarming trend of procrastination and narcissism among medical undergraduates of Central Park Medical College. *Biomedica*.2017; 34 (4) :320-325
43. Batool H, Zahra, Qadeer S, **Mumtaz A**. Impact of Phlebotomy training program on the skills and knowledge pf phlebotomists ; A study conducted in Pathology Laboratory of Central Park Teaching Hospital, Lahore. *Annals of KEMU*. 2018; 24(2): 1-4
44. Arif A, Shah IA, **Mumtaz A**, Chughtai AS. Knowledge, attitudes and practices of standard precautions among nursing professionals at a teaching hospital (*Biomedica*. 2017; 34 (4): 314-319.
45. Batool H, **Mumtaz A**, Ali S, Chughtai AS. Positive Trend Shifting to Online Assessment: A review of Using Socrative in Medical College, Its advantages and Challenges. *Journal of Medical Education Summer*, 2018; 17(3): 160-167
46. Majeed FA, Batool H, Sadaqat A, Asim K, Riaz F, Mumtaz A. Association of Maternal Vitamin D levels with Neonatal Birth Weight. *Esculapio*. 2019; !5(03):238-242
47. Sattar A, Mumtaz A, Qayyum A, Qadeer S, Shah IA. Students' perspective regarding academic cheating in an undergraduate setting of Central Park Medical College, Lahore. *Journal of Sharif Medical and Dental College Lahore Pakistan* 2019; Vol 5 (01):24-27
48. Reference Range of Thyroid Hormones Levels during three trimesters of Gestation at three tertiary care hospitals of Lahore. Submitted for publication.
49. Sattar A, Mumtaz A, Qayyum A, Qadeer S, Shah IA. Student' perspective regarding academic cheating in an undergraduate setting of Central Park Medical College, Lahore. *Journal of Sharif Medical and Dental College Lahore Pakistan* 2019;Vol 5 (01):24-27
50. Farooq O, Khan M, Masood A, Mumtaz A, Waris S, Amin Y, Farooq F. Variations in Clinical Parameters of Hospital Patients with COVID-19. *Annals of King Edward Medical University Lahore Pakistan* 2020; Vol 26: 192- 194
51. Arshad A, Alam S, Farooq O, Usama M, Waheed A, Mumtaz A. Frequency Of Blood Groups and Duration of Hospital Stay Among Different Blood Groups in COVID-19 Patients. *Journal of Akhtar Saeed Medical & Dental College*. April-June 2020; Vol 02(2):
52. Masood A, Farooq O, Waris S, Khan M, Mumtaz A, Aslam M, Usama M. Analysis of Serial C-Reactive Protein Levels in Critically Ill COVID-19 Patients Receiving Tocilizumab. *Biomedica* 2020;Vol.36(2)
53. Shafi S, Rasheed J, Usama M, Farooq O, Masood A, Mumtaz A. Microbiology and selection of Empiric antibiotic therapy of urinary tract infections at a tertiary care facility in Lahore. Submitted for Publication.

MEMBERSHIPS & Honors

1. Life Member Pakistan Society of Chemical Pathologists (PSCP)
2. Gallwas Member of American Association of Clinical Chemistry (AACC)
3. General Secretary Pakistan Society of Chemical Pathologists (PSCP) 2003-2004
4. General Secretary Pakistan Society of Chemical Pathologists (PSCP) 2005-2006
5. Council Member of Asian Pacific Federation of Clinical Biochemistry (APFCB)
6. Worked as National Representative of PSCP for International Federation of Clinical Chemistry (IFCC)
7. Fellow of College of Pathologist Pakistan- Awarded in 2010
8. Member Pakistan Association of Pathologist (PAP)
9. Chairperson Central Park Research Committee(CPRC) 2016 - 2019
10. President Pakistan Society of Chemical Pathologists (PSCP) 2017-2018)
11. Chairperson Local Chapter of Pakistan Society of Chemical Pathologists (PSCP)

NAMES OF REFEREES

Maj.Gen (Rtd) Dr. Farooq Ahmad Khan

Ex. Commandant AFIP &

Head of Chemical Pathology & Endocrinology Department

Armed Forces Institute of Pathology Rawalpindi

Prof. Dr. A.H Nagi

Ex Professor & Head of Pathology Department

University of Health Sciences, Lahore.