CURRICULUM VITAE

PERSONAL INFORMATION

NAME Sohail Aziz Paracha

FATHER NAME Qadir Bakhsh

CNIC NO 17301-1432993-7

DOMICILE Kohat-KPK-Pakistan

DATE OF BIRTH 01st May, 1970

GENDER Male

PASSPORT NUMBER AL3969933

MARITAL STATUS Married

CURRENT ADDRESS Anatomy Department, Khyber Medical University Institute of Medical Sciences, K.D.A Kohat, KPK, Pakistan

PERMANENT ADDRESS House # 97,Street # 10,Sector 7 , Nearside Neela Gumbad Masjid, KDA Kohat, KPK, Pakistan

EMAIL ADDRESS drsohailparacha@gmail.com

CONTACT NO: +92 300 915 6919

ACADEMIC QUALIFICATION

DEGREE	YEAR	SUBJECT	UNIVERSITY/INSTITUTION
PhD	2019	Human Anatomy	Khyber Medical University, Pakistan
Fellowship	2016	Clinical Anatomy	Oslo University Hospital, Norway
FCPS	2005	Surgery	College of Physician & Surgeon, Pakistan
MCPS	2004	Surgery	College of Physician & Surgeon, Pakistan
MBBS	1993	Medicine & Surgery	Peshawar University, Pakistan
FSC	1985	Pre Medical	Federal Board Islamabad, Pakistan
MATRIC	1983	Science Group	Peshawar Board, Pakistan

CERTIFICATIFICATION COURSES

1. Certificate in Health Professional Education (CHPE)-2013-2014-KMU-Peshawar.
2. Certificate in Health Research (CHR)- 2013-2014-KMU-Peshawar
3. Certificate in Abdominal & Obstetrics ultrasonography Oct-Nov,2005-Peshawar
4. Certificate in Health Professional Education (CHPE)-April 2021-September 2021-BMU-Karachi
5. Certificate in Medical Editing & Journalism (CMEJ) – 2022-UHS-Lahore

WORK EXPERIENCE

NAME OF EMPLOYER	DESIGNATION	FROM	TO
KHYBER MEDICAL UNIVERSITY INSTITUTE OF MEDICAL SCIENCES (KIMS), KOHAT, PAKISTAN	Professor of Anatomy	2-5-2016	Till date
KHYBER MEDICAL UNIVERSITY INSTITUTE OF MEDICAL SCIENCES (KIMS), KOHAT, PAKISTAN	Associate Professor of Anatomy	6-12-2013	1-5-16
KHYBER MEDICAL UNIVERSITY INSTITUTE OF MEDICAL SCIENCES (KIMS), KOHAT, PAKISTAN	Assistant Professor of Anatomy	21-7-2006	5-12-13
HEALTH DEPARTMENT KPK, PESHAWAR,PAKISTAN	Medical Officer	1-11-1995	20-7-2006
KHYBER TEACHING HOSPITAL PESHAWAR, PAKISTAN	House Officer	1994	1995

INTERNATIONAL AND NATIONAL FELLOSHIP AND AWARDS

1. Won Fellowship sponsored by HEC (IRSIP), Pakistan for 06 months for PhD research at Norway from September, 2016 to March, 2017. Name of the Lab in Norway Neurology Department, Oslo university Hospitals

2. Awarded 3000 USD developing countries grant by American Society of Human Genetics for participation in its Annual meeting on October15-19, 2019 in Houston, USA

3. Fellowship of Surgery, College of Physicians & Surgeons of Pakistan (CPSP)

4. Award of KMU excellent performance in teaching at KIDS, Kohat 2015-2016

5. Award of KMU excellent performance KIMS, Kohat 2023

LABORATORY SKILLS

1. DNA isolation by kit method and automation technique
2. Quantification of gDNA
3. Agarose gel electrophoresis
4. Samples preparation for Exome sequencing
5. Sample preparation for SNP array genotyping
6. Sanger sequencing

PROFESSIONAL MEMBERSHIPS

1. Member of Pakistan Medical and Dental Council

2. Member of College of Physician and Surgeons of Pakistan

3. Member of American Society of Human Genetics

4. Member of European Society of Human Genetics

5. Member of Ultrasound Society of Pakistan

6. Lifetime- Member of Pakistan Association of Medical Editors (PAME)

7. Member Eastern Mediterranean Association of Medical Editors (EMAME)

1. Member of Anatomy Society of Pakistan

ADMINSTRATIVE EXPERIENCENCE

1. Chairman, KIMS QEC, KMU-Peshawar

2. Member Advanced Studies Research Board (ASRB) , KMU-Peshawar

3. HOD Anatomy Department, KIMS, Kohat

4. Convener of PMDC inspection team, PMDC, Pakistan

5. Member of Editorial board KMU, KMU-Peshawar

6. Member of Selection board KMU-Peshawar

7. Member of Scrutiny committee for scrutiny of Medical faculty-KIMS, Kohat

8. Member Advanced Study Research Board-KMU-Peshawar

9. Secretary institutional Review Board, KMU-IMS, Kohat

10. Member of Research cell, KMU-IMS, Kohat

WORKSHOPS ATTENDED

1. CPSP FCPS Anatomy supervisory skills workshops(Total -5) 2022, CPSP, Peshawar

2. WHO-CPSP-Basic surgical skills August, 2000

3. WHO-CPSP-Research methodology, biostatics and dissertation writing July, 2000

4. WHO-CPSP-Introduction to computer &internet August, 2000

5. WHO-CPSP-Communication skills March, 2004

6. PAME-Medical writing September, 2013

7. KMU-Critical appraisal of biomedical literature, September, 2013

8. KMU-Workshop on medical writing February, 2015

9. KMU-workshop on self-assessment report of medical program,Dec,2020

10. KMU-6th annual research conference February, 2014

11. KUST-Workshop on MCQs & SEQs November, 2009

12. Save the children-Workshop essential and newborn care October, 2003

13. National TB control program workshop Marc, 2012

14. KMU-Workshop on medical writing May, 2013

15. KIMS-Workshop on SPSS Feb-March, 2014

16. KMU-Workshop on use of SPSS in medical research April, 2015

17. KMU-Research ethics workshop November, 2012

18. KMU-Workshop-change together we can February, 2013

19. PGMI-Workshop on endocrine updates May, 2015

20. KMU-workshop on BCLS/ACLS June, 2015

21. Intensive 4 weeks training on abdominal ultrasound Dec-Jan, 2005-2006

22. Intensive 4 weeks training on gyne and obs ultrasound Oct-Nov-2005-2006

23. KMU-Annual research conference cutting edge research oral presentation February, 2014.

24. European Society of Human Genetics Virtual conference Jun 6-9,2020

CONFERENCES/PROCEEDING ATTENDED

1. Ansar, M., Pituello, F., **Paracha, S.A**., Bel-Vialar, S., Ranza, E., Santoni, F.A., Sarwar, M.T., Ahmed, J., Agius, E. and Antonarakis, S.E., 2022, April. *CDC25B* biallelic variants cause short stature, microcephaly, intellectual disability, developmental delay, facial dysmorphism and microphthalmia. In *EUROPEAN JOURNAL OF HUMAN GENETICS* (Vol. 30, No. SUPPL 1, pp. 233-233). CAMPUS, 4 CRINAN ST, LONDON, N1 9XW, ENGLAND: SPRINGERNATURE.

2. Ansar M, **Paracha SA**, Wohler E, Sarwar MT, Ranza E, Santoni FA, Ahmed J, Goel H, Scott DA, Antonarakis SE. Biallelic variants in *ANKRD12* cause intellectual disability, developmental delay, aphasia, hypotonia and hearing loss. In EUROPEAN JOURNAL OF HUMAN GENETICS 2020 Dec 1 (Vol. 28, No. SUPPL 1, pp. 321-322). CAMPUS, 4 CRINAN ST, LONDON, N1 9XW, ENGLAND: SPRINGERNATURE.

3. Henry LK, Ansar M, Ranza E, Shetty M, **Paracha SA**, Azam M, Kern I, Iwaszkiewicz J, Farooq O, Pournaras CJ, Malcles A. Identification, Characterization, and Treatment for a Taurine Transporter (*SLC6A6*) Variant Resulting in Taurine Deficiency and Pathologies in a Consanguineous Family. The FASEB Journal. 2020 Apr;34(S1):1-.

4. **SA Paracha**, M Ansar, F Ebstein, H Ozkoc, J Iwaszkiewicz, M Gesemann Bi-allelic variants in *IQSEC1* cause intellectual disability, developmental delay, and short stature Poster presentation American Society of Human Genetics for participation in its Annual meeting on October15-19, 2019 in Houston, USA

5. Taurine supplementation as a potential therapy for progressive retinal degeneration due to biallelic pathogenic variants in the Taurine transporter *SLC6A6* E Ranza, M Ansar, M Shetty, **SA Paracha**, MT Sarwar, I Kern, O Farooq, .EUROPEAN JOURNAL OF HUMAN GENETICS 27, 1122-1123.

6. 49 novel recessive candidate genes for intellectual disability and visual impairment in 350 consanguineous families SE Antonarakis, **SA Paracha**, S Imtiaz, A Nazir, YM Waryah, ...EUROPEAN JOURNAL OF HUMAN GENETICS 27, 1500-1501

7. Biallelic variants in *PSMB1* encoding the proteasome subunit b6 cause impairment of proteasome function, microcephaly, intellectual disability, developmental delay and short stature **SA Paracha**, M Ansar, F Ebstein, H Ozkoc, J Iwaszkiewicz, M Gesemann, Poster presentation European Human Genetics Virtual Conference Jun 6-9,2020, Vienna, Austria EUROPEAN JOURNAL OF HUMAN GENETICS 28 (SUPPL 1), 357-358

8. Taurine supplementation as a potential therapy for progressive retinal degeneration due to biallelic pathogenic variants in the Taurine transporter *SLC6A6* E Ranza, M Ansar, M Shetty, **SA Paracha**, MT Sarwar, I Kern, O Farooq, EUROPEAN JOURNAL OF HUMAN GENETICS 27, 1122-1123

9. Biallelic variants in *DYNC1I2* cause syndromic microcephaly with intellectual disability, global developmental delay and dysmorphic facial features EE Davis, M Ansar, F Ullah, **SA Paracha**, DJ Adams, A Lai, L Pais, EUROPEAN JOURNAL OF HUMAN GENETICS 27, 1385-1386

10. *FBXL3*, novel candidate for autosomal recessive intellectual disability P Makrythanasis, **SA Paracha,** M Ansar, A Megarbane, FA Santoni, EUROPEAN JOURNAL OF HUMAN GENETICS 27, 221-22.

11. 35 novel recessive candidate genes for intellectual disability and visual impairment by using 260 consanguineous families SE Antonarakis, SA Paracha, S Imtiaz, A Nazir, YM Waryah, EUROPEAN JOURNAL OF HUMAN GENETICS 27, 234-234.

12. Identification of likely non-pathogenic loss-of-function-variants in consanguineous families. Makrythanasis P, Ansar M, Batool N, Shaikh H, Sarwar MT, Khan AA, **SA Paracha**, Khan J, Waryah YM, Temtamy S, Guipponi M. InEUROPEAN JOURNAL OF HUMAN GENETICS 2018 Oct 1 (Vol. 26, pp. 777-777). MACMILLAN BUILDING, 4 CRINAN ST, LONDON N1 9XW, ENGLAND: NATURE PUBLISHING GROUP.

13. *SLC6A6* taurine transporter: a novel autosomal recessive candidate gene for progressive visual impairment E Ranza, M Ansar, P Makrythanasis, N Batool, MT Sarwar, **SA Paracha,** EUROPEAN JOURNAL OF HUMAN GENETICS 26, 192-193

14. Genetic analysis of 100 consanguineous families to identify the molecular cause of Mendelian visual impairment Ansar M, Makrythanasis P, Batool N, Shaikh H, Gul K, Khan AA, **Paracha SA**, Khan J, Qureshi S, Imtiaz S, Waryah YM.. InEUROPEAN JOURNAL OF HUMAN GENETICS 2018 Oct 1 (Vol. 26, pp. 174-174). MACMILLAN BUILDING, 4 CRINAN ST, LONDON N1 9XW, ENGLAND: NATURE PUBLISHING GROUP.

15. *FBXL3*, novel candidate for autosomal recessive intellectual disability.Makrythanasis P,

Paracha SA, Ansar M, Megarbane A, Santoni FA, Guipponi M, Ranza E, Shah SF, Falconnet E, Sarwar MT, Ahmed J. InEUROPEAN JOURNAL OF HUMAN GENETICS 2019 Jul 1 (Vol. 27, pp. 221-221). MACMILLAN BUILDING, 4 CRINANST, LONDON N1 9XW, ENGLAND: NATURE PUBLISHING GROUP

SUPERVISORSHIPS & EXAMINER

1. College of Physician & Surgeons of Pakistan approved supervisor for FCPS II in Anatomy

2. Higher Education Commission of Pakistan approved supervisor for M.Phil/MS/PhD in Medical Sciences

Details of supervised MPhil students

Sr#	Name of Scholar	Research Thesis/ Title	Supervision	Status
1	Farhana bibi	Molecular characterization of inherited vision impairment in consanguineous families of Kohat district	Supervisor 2	**MPhil Completed**
2	Ayesha Gul	Study of increasing incidence of antibiotics resistance in bacterial pathogens associated with surgical patients	Supervisor 2	**MPhil Completed**
3	Haq Nawaz Khan	Molecular characterization of methicillin resistance *Staphylococcus Aurous* associated with diabetic foot infection patients in District Kohat	Supervisor 2	**MPhil Completed**
4	Pashmina Shahid	Effect of Nickel exposure on hematology and antioxidant enzyme activity in *Tor Puttora*	Supervisor 3	**MPhil Completed**
5	Dr Kabir Afridi	Anatomic changes associated with genetic mutations in primary microcephalc consanguineous families of district Kohat	Supervisor 2	**MPhil Completed**

6	Mehreen Saeed	Antibiogram profile and molecular detection of mec a gene in methicillin resistant *staphylococcus Aureus a*ssociated with surgical site infections	Supervisor 2	**Synopsis approved**
7	Shaukat Khan	Study of aminoglycosides and macrolides resistant gram negative pathogens associated with urinary tract infection	Supervisor 2	**Synopsis approved**

LIST OF PUBLICATIONS

1. Nawaz H, Khan SA, Bibi F, Waqas A, Bari A, Khan N, Muhammad N, Khan A, **Paracha SA**, Alam Q, Kamal MA. Biallelic Variants in Seven Different Genes Associated with Clinically Suspected Bardet–Biedl Syndrome. Genes. 2023 May;14(5):1113. **(Impact factor 4.14)**
2. Mao MS , Borel C , Ansar M , Jolly A , Makrythanasis P , Froehlich C , Iwaszkiewicz J , Wang B, Xu X , Li Q , **Paracha SA** "and" Zhang Y. *FOXI3* pathogenic variants cause one form of craniofacial microsomia. Nature Communications. 2023 Apr 11;14(1):2026. **(Impact factor 17.69)**
3. Rao AR, Nazir A, Imtiaz S, **Paracha SA**, Waryah YM, Ujjan ID, Anwar I, Iqbal A, Santoni FA, Shah I, Gul K. Delineating the Spectrum of Genetic Variants Associated with Bardet-Biedl Syndrome in Consanguineous Pakistani Pedigrees. Genes. 2023 Feb 3;14(2):404. **(Impact factor 4.14)**
4. **Paracha SA**, Khattak IA, Mabood W, Afridi MKK, Saidal K, Jabeen M. Diagnostic Accuracy of Alvarado and Appendicitis Inflammatory Response Score in the Diagnosis of Acute Appendicitis. Med Forum 2022; 33(8):44-48.
5. Shah SF, **Paracha SA**, Ullah W, Muhammad I, Iqbal S, Gul A, Hussain M, Ullah H, Zaman S. Success of 14-day triple and quadruple therapy for the control of *Helicobacter pylori* infections in Kohat district. Drug Target Insights. 2022 Jan;16:49. **(Impact factor 2.80)**
6. Zaman S, Wazir WU, Qasim M, Akbar NU, Muhammad I, **Paracha SA**, Ullah F, Muhammad Y. Drug-Resistant Proteus Virulence Factors Characterization and Their Inhibition Using Probiotic Bacteria. Jundishapur Journal of Microbiology. 2022 Oct 31;15(10). **(Impact factor 0.82)**
7. Mattioli F, Darvish H, **Paracha SA**, Tafakhori A, Firouzabadi SG, Chapi M, Baig

HM, Reymond A, Antonarakis SE, Ansar M. Biallelic truncation variants in *ATP9A* are associated with a novel autosomal recessive neurodevelopmental disorder NPJ genomic medicine. 2021 Nov 11;6(1):1-5. **(Impact factor 7.22)**

8. Manole A, Efthymiou S, O'Connor E, Mendes MI, Jennings M, Maroofian R, Davagnanam I, Mankad K, Lopez MR, Salpietro V,. **Paracha SA** "and" Harripaul R**.** De novo and bi-allelic pathogenic variants in *NARS1* cause neurodevelopmental delay due to toxic gain-of-function and partial loss-of-function effects. The American Journal of Human Genetics. 2020 Aug 6;107(2):311-24**..(Impact factor 10.50)**
9. Henry LK, Ansar M, Ranza E, Shetty M**, Paracha SA**, Azam M, Kern I, Iwaszkiewicz J, Farooq O, Pournaras CJ, Malcles A. Identification, Characterization, and Treatment for a Taurine Transporter *(SLC6A6*) Variant Resulting in Taurine Deficiency and Pathologies in a Consanguineous Family. The FASEB Journal. 2020 Apr 1;34(S1):1-**..(Impact factor 4.17)**
10. Ansar M, Ebstein F, Özkoç H, **Paracha SA**, Iwaszkiewicz J, Gesemann M, Zoete V, Ranza E, Santoni FA, Sarwar MT, Ahmed J. Biallelic variants in *PSMB1* encoding the proteasome subunit β6 cause impairment of proteasome function, microcephaly, intellectual disability, developmental delay and short stature. Human molecular genetics. 2020 Mar 4. **(Impact factor 4.544)**
11. Ansar M, Ranza E, Shetty M, **Paracha SA**, Azam M, Kern I, Iwaszkiewicz J, Farooq O, Pournaras CJ, Malcles A, Kecik M. Taurine treatment of retinal degeneration and cardiomyopathy in a consanguineous family with *SLC6A6* taurine transporter deficiency. Human Molecular Genetics. 2020 Feb 15;29(4):618-23. **(Impact factor 4.544)**
12. Ansar M, Chung HL, Al-Otaibi A, Elagabani MN, Ravenscroft TA, **Paracha SA**, Scholz R, Magid TA, Sarwar MT, Shah SF, Qaisar AA. Bi-allelic variants in *IQSEC1* cause intellectual disability, developmental delay, and short stature. The American Journal of Human Genetics. 2019 Nov 7;105 (5):907-20. **(Impact factor 9.924)**
13. Ansar M, Ullah F, **Paracha SA,** Adams DJ, Lai A, Pais L, Iwaszkiewicz J, Millan F, Sarwar MT, Agha Z, Shah SF. Bi-allelic Variants in *DYNC1I2* Cause Syndromic Microcephaly with Intellectual Disability, Cerebral Malformations, and Dysmorphic Facial Features. The American Journal of Human Genetics. 2019 May 9. **(Impact**

factor 9.924)

14. Ansar M*, **Paracha SA***, Serretti A, Sarwar MT, Khan J, Ranza E, Falconnet E, Iwaszkiewicz J, Shah SF, Qaisar AA, Santoni FA. Biallelic variants in *FBXL3* cause intellectual disability, delayed motor development and short stature. Human molecular genetics. 2018 Nov 26;28(6):972-9**. (Impact factor 4.544)**
15. Ansar M, Riazuddin S, Sarwar MT, Makrythanasis P, **Paracha SA**, Iqbal Z, Khan J, Assir MZ, Hussain M, Razzaq A, Polla DL. Biallelic variants in *LINGO1* are associated with autosomal recessive intellectual disability, microcephaly, speech and motor delay. Genetics in Medicine. 2018 Jul;20 (7):778. **(Impact factor 8.683)**
16. Hussain M, Munir S, Khan TA, Khan A, Ayaz S, Jamal MA, Ahmed I, **Paracha SA**, Watany N, Kasbari M. Epidemiology of cutaneous leishmaniasis outbreak, Waziristan, Pakistan. Emerging infectious diseases. 2018 Jan;24(1):159. **(Impact factor 7.42)**
17. Ashraf M, Ullah N, Khan G, **Paracha SA**. Current Trends of Empirical Treatment of Typhoid Fever among General Practitioners in District Kohat, Khyber Pakhtunkhwa, Pakistan.Med.Forum. 2018 Sept;29(9):10-13.
18. Shah SF, **Paracha SA**. Gross pyuric diabetics with uncontrolled glycemia: Pattern of pathogenicorganisms and antimicrobial susceptibility. Khyber Med Univ J 2016;8(4): 189-
19. Khan J ,**Paracha S A,** Ahmed J,Ullah I,Sarwar MT.Intelluctual disability.adv Basic Med Sci2015;1(2):43-46.
20. Khan J ,**Paracha S A,** Ahmed J,Ullah I,Sarwar MT.Intelluctual disability.adv Basic Med Sci2015;1(2):43-46.
21. Tahir M, **Paracha SA**, Uddin QT, Tahir NB. Role of primary closure in the management of early cases of typhoid perforation in our set up. Med.Fourm. 2014;26(3):40-43.
22. Waheedullah Q, Saleem S, Asim N, **Paracha SA**.Luminal diameters of major coronary arteries. Journal of Rawalpindi Medical College (JRMC); 2013;17(1):11-13.
23. Shah STA, Tahir M, Nasir M, **Paracha SA**, Wahab K.Outcome of open versus closed surgical technique for treatment of chronic pilonidal sinus: a randomized control trial. Khyber Med Univ J 2013;5(3): 146-151.
24. Nasir M, **Paracha SA**, Khan IA, Tahir M, Wahab K. Outcome of darn repair with

polypropylene for primary inguinal hernia : an experience of 837 cases. Khyber Med Univ J. 2013;5(1): 31-35

25. Khan AS, **Paracha SA**, Shah Z, Tahir M, Wahab K.Anatomical variations of cystic duct encountered during open cholecystectomy. Khyber Med Univ J.2012 ; 4(1): 19-22.

26. Shah Z, Khan AS, **Paracha SA**, Tahir M, Javed M.The impact of anatomical variation of lower pole collecting system of kidney on stone formation. Khyber Med Univ J; 2012;4(2) : 54-58.

27. Tahir M, Uddin QT, Ahmed F, **Paracha SA**, Batool N. Role of ileostomy in management of late cases of typhoid intestinal perforation. Khyber Med Univ J; 2012; 4(3):110-114.

28. **Paracha SA**, Khan AS, Shah Z, Wahab K.Satisfaction of the pre-clinical students regarding current anatomy curriculum and anatomy teachers of KUST Institute of Medical Sciences (KIMS), Kohat. KUST Med J; 2011; 3 (2):45-51.

REFERENCES

1. Professor Dr Akhtar Sherin, Professor of Medicine, Khyber Medical University Institute of Medical Sciences (KIMS), Kohat. Cell #: +923219707404
Email ID: Akhtarsherin@yahoo.com

2. Professor Dr Sayyed Fahim Shah, Professor of Medicine, Khyber Medical University Institute of Medical Sciences (KIMS), Kohat .Cell # : +923339652223
Email ID: syed.fahimdrkt@yahoo.com

3. Dr Muhammad Asharaf, Associate Professor, Department of Internal Medicine, Shaqra University College of Medicine (Ministry of Higher Education) Riyadh, Kingdom of Saudi Arabia Cell No: 03009865775 Email ID: amcollian_tbk@hotmail.com