

# Stanford

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## Humza Thobani

Postdoctoral Scholar, Pediatric Surgery

### Bio

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#### BIO

Humza is a Postdoctoral Research Fellow in the Division of Pediatric Surgery at Stanford University. He earned his medical degree from the Aga Khan University in Karachi, Pakistan in 2023. Prior to joining Stanford, he had completed a dedicated research fellowship in pediatric surgery, also at the Aga Khan University, where he was named Best Research Fellow in 2024.

Humza's research interests revolve around congenital surgical anomalies, pediatric solid tumors, and pediatric inflammatory bowel diseases, with a focus on leveraging big data and machine learning methods to study rare pediatric conditions.

#### HONORS AND AWARDS

- Best Oral Presentation, Aga Khan University Annual Surgical Conference (2024)
- Best Research Fellow, Dean's Clinical Research Fellowship, Aga Khan University (2024)
- National Valedictorian, Aga Khan University Medical College (2023)

#### PROFESSIONAL EDUCATION

- B of Medicine and B of Surgery, Aga Khan Univ Of Medical Sciences (2023)
- Research Fellow, Aga Khan University , Pediatric Surgery (2024)
- MBBS, Aga Khan University , Bachelor of Medicine, Bachelor of Surgery (2023)

#### STANFORD ADVISORS

- James Dunn, Postdoctoral Faculty Sponsor

### Publications

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#### PUBLICATIONS

- **Association of Surgical Antibiotic Prophylaxis with Postoperative Outcomes Following Pediatric Gastrostomy Tube Placement: A Propensity Score Overlap Weighted Analysis.** *Journal of pediatric surgery*  
Khan, M. O., Thobani, H., Ahmad, S., Iqbal, B., Tahan, D., Ehsan, A. N., Rao, A. G., Tirrell, T., Islam, S., Khan, F. A.  
2026; 163:152
- **Optimizing Resource Utilization in Low- and Middle-Income Country NICUs: A Clinical Audit of Surgical Infection Screening Practices at a High-Volume NICU in Pakistan.** *Pakistan journal of medical sciences*  
Thobani, H., Durrani, R., Khan, M. O., Javed, J., Sajjad, S., Iftikhar, Z., Soomro, M. A., Qazi, S., Khan, F. A., Islam, S.  
2026; 42 (411AASC): S21-S27

- **A national database study of adjuvant steroids following Kasai portoenterostomy for biliary atresia.** *Pediatric surgery international*  
Liang, N. E., Thobani, H., Moturu, A., Suh, E., Islam, S., Fell, G. L., Hyun, J. S., Sylvester, K. G., Chao, S. D., Dunn, J. C., Khan, F. A.  
2026; 42 (1)
- **Outcomes of robotic-assisted soave pull-through procedure for Hirschsprung disease: a systematic review and meta-analysis.** *Journal of robotic surgery*  
Rizvi, S. B., Khalid, L., Shahid, F., Ibrahim, S., Mansoor, T., Fatimi, A. S., Thobani, H., Rao, A. G., Ehsan, A. N., Khan, F. A.  
2026; 20 (1): 221
- **Characteristics of high-impact research in simulation-based education for surgical technical skills: a bibliometric analysis of the 100 most-cited articles** *GLOBAL SURGICAL EDUCATION - JOURNAL OF THE ASSOCIATION FOR SURGICAL EDUCATION*  
Durrani, R., Thobani, H., Hasan, S., Khan, S., Khan, F. A., Moneypenny, M., Islam, S.  
2026; 5 (1)
- **Patch Repair Versus Flap Repair for Congenital Diaphragmatic Hernia: A Systematic Review and Meta-Analysis.** *Journal of pediatric surgery*  
Fatimi, A. S., Salman, R., Manal, H., Anns, K. M., Thobani, H., Ehsan, A. N., Rao, A. G., Tahan, D., Tirrell, T. F., Islam, S., Khan, F. A.  
2026: 162919
- **Assessing the Value of Overnight Admission After Pediatric Laparoscopic Cholecystectomy: A Nationwide Propensity-Matched Analysis.** *Journal of pediatric surgery*  
Javid, A., Minhas, A., Thobani, H., McRae, J., Mladenov, G., Ehsan, A. N., Gundershausen, M., Tahan, D., Tagge, E. P., Tirrell, T., Radulescu, A., Khan, F. A.  
2025: 162870
- **Outcomes of Sutureless versus Sutured Closure for Gastroschisis: A Systematic Review and Meta-Analysis.** *Journal of pediatric surgery*  
Rao, A. G., Awan, A. R., Ayazuddin, M., Thobani, H., Ehsan, A. N., Fatimi, A. S., Minhas, A., Javid, A., Tirrell, T. F., Sylvester, K. G., Islam, S., Khan, F. A.  
2025: 162867
- **Characterizing the unmet need for pediatric neurosurgical care.** *Surgical neurology international*  
Minhas, A., Khan, M. O., Thobani, H., Imran, Y., Abid, H., Bakhshi, S., Dilawar, B., Ali Khan, F., Islam, S.  
2025; 16: 491
- **Association of Institutional Case Volume and Children's Surgery Verification with Morbidity/Mortality in Neonatal Duodenal Atresia Repair: A Multi-institutional Cohort Study.** *Journal of pediatric surgery*  
Moturu, A., Grieco, A., Thobani, H., Cohen, M. E., Grant, C., Chiu, B., Ko, C. Y., Berman, L., Khan, F. A.  
2025: 162770
- **Outcomes of Pouch Creation in 2-Stage Versus 3-Stage Procedures for Pediatric Ulcerative Colitis: A Propensity Score Matched Comparative Analysis.** *Inflammatory bowel diseases*  
Thobani, H., Ehsan, A. N., Moturu, A., Nepomuceno, H. M., Taufiq, M., Zahid, N., Tirrell, T. F., Sylvester, K. G., Islam, S., Khan, F. A.  
2025
- **Antibiotic Prophylaxis for Gastrointestinal Surgery Among Neonates and Very Young Infants: National Patterns, Outcomes, and Opportunities for Precision Stewardship.** *The Journal of pediatrics*  
Thobani, H., Mathew, R., Ehsan, A. N., Moturu, A., Khan, M. O., Bio, L., Sankar, M., Tirrell, T. F., Shah, A. A., Thorson, C. M., Raymond, S. L., Islam, S., Sylvester, et al  
2025: 114839
- **Outcomes of a Second Run of Extracorporeal Membrane Oxygenation in Neonates: A Propensity Score Matched Analysis of a Nationwide Registry.** *ASAIO journal (American Society for Artificial Internal Organs : 1992)*  
Thobani, H., Khan, M. O., Tirrell, T. F., Khan, F. A., Islam, S.  
2025
- **Antibiotic Stewardship in Pediatric Complicated Appendicitis: Assessing the Role of Oral Antibiotics after Discharge.** *Journal of pediatric surgery*  
Thobani, H., Nepomuceno, H. M., Schwab, M. E., Emengo, P. O., Khan, R., Raymond, S. L., Shah, A. A., Mathew, R., Tirrell, T. F., Islam, S., Sylvester, K. G., Khan, F. A.  
2025: 162594
- **Discharge Opioid Prescriptions Following Pediatric Appendectomy: a NSQIP-P Study.** *Journal of pediatric surgery*

Minhas, A., Thobani, H., Javid, A., McRae, J., Mladenov, G., Farber, B., Radulescu, A., Khan, F., Raymond, S. L.  
2025: 162475

- **Water Soluble Contrast Administration in the Management of Pediatric Adhesive Small Bowel Obstruction: A Systematic Review and Meta-Analysis.** *Journal of pediatric surgery*  
Thobani, H., Khan, M. O., Minhas, A., Fatimi, A. S., Khan, R., Tirrell, T. F., Sylvester, K. G., Islam, S., Khan, F. A.  
2025: 162465
- **Early Versus Late Inguinal Hernia Repair in Preterm Neonates: An Updated Systematic Review and Meta-Analysis with Trial Sequential Analysis.** *Journal of pediatric surgery*  
Khan, M. O., Fatimi, A. S., Thobani, H., Ehsan, A. N., Saqib, S., Tahan, D., Tirrell, T. F., Sylvester, K. G., Islam, S., Khan, F. A.  
2025: 162463
- **Can we do less? A review of imaging practices for evaluating cervical spine injuries in pediatric blunt trauma patients.** *Pediatric surgery international*  
Thobani, H., Dalton, C., Ehresmann, K. R., Larson, S., Khan, F. A., Islam, S.  
2025; 41 (1): 147
- **Standardized Classification System for Pilonidal Disease and Recurrence Rate after Treatment.** *Journal of the American College of Surgeons*  
Chiu, B., Thobani, H., Abrajano, C., Khan, F., Harnish, E., Dalusag, K.  
2025
- **Predictors of Adverse Outcomes Following Nephrectomy for Pediatric Renal Tumors: Analysis of National Surgical Quality Improvement Program-Pediatric Data.** *The Journal of surgical research*  
Thobani, H., Durrani, R., Raymond, S. L., Shah, A. A., Chiu, B., Ehrlich, P. F., Islam, S., Khan, F. A.  
2025; 310: 128-136
- **Pediatric neurosurgery without pediatric neurosurgeons: a comparison of outcomes of pediatric brain tumor resections in Pakistan with a national US surgical database.** *Child's nervous system : ChNS : official journal of the International Society for Pediatric Neurosurgery*  
Abid, H., Imran, Y., Thobani, H., Bakhshi, S. K., Minhas, A., Khan, M. O., Minasian, T., Islam, S., Khan, F. A.  
2025; 41 (1): 124
- **How low should we go? Outcomes of ECMO in neonates with low gestational age or birth weight.** *Pediatric surgery international*  
Khan, F. A., Thobani, H., Neal, D., Islam, S.  
2025; 41 (1): 74
- **Age and Weight Stratified Outcomes of Single Stage Endorectal Pull-through Procedures for Hirschsprung's Disease in Children: Analysis of NSQIP-P Data.** *Journal of pediatric surgery*  
Thobani, H., Tahan, D., Shah, A. A., Raymond, S. L., Chiu, B., Islam, S., Khan, F. A.  
2025: 162168
- **How Well Are We Preserving Ovaries in Children and Adolescents? Analysis of NSQIP-Pediatric Data**  
Thobani, H., Islam, S., Khan, F. A.  
LIPPINCOTT WILLIAMS & WILKINS.2024: S315-S316
- **Home Antibiotic Use after Appendectomy for Complicated Appendicitis Does Not Influence Outcomes in Children Without Postoperative Signs of Infection: A NSQIP-P Observational Study**  
Thobani, H., Nepomuceno, H. M. L., Schwab, M., Emengo, P., Shah, A. A., Raymond, S., Islam, S., Khan, F. A.  
LIPPINCOTT WILLIAMS & WILKINS.2024: S349-S350
- **The Optimal Age for Lobectomy of Congenital Pulmonary Airway Malformations in Infants: An Analysis of NSQIP-P Data**  
Thobani, H., Islam, S., Khan, F. A.  
LIPPINCOTT WILLIAMS & WILKINS.2024: S363
- **Hepatic resections for pediatric hepatoblastoma: analysis of 30-day outcomes using the National Surgical Quality Improvement Program-Pediatric database.** *Pediatric surgery international*  
Thobani, H., Durrani, R., Raymond, S. L., Shah, A. A., Islam, S., Khan, F. A.  
2024; 40 (1): 230
- **Pancreatic masses in children: a single-center experience over two decades.** *European journal of pediatrics*  
McRae, J. J., Thobani, H., Sacks, M. A., Raymond, S. L., Shah, A., Radulescu, A., Khan, F. A.

