PERSONAL INFORMATION

Dr. Shabbir Syed-Abdul

Name: **Shabbir Syed-Abdul**
Nationality: Indian
Current position:

- Professor, Graduate Institute of Biomedical Informatics, College of Medical Science and Technology, Taipei Medical University, Taipei, Taiwan
- Adjunct Professor at School of Gerontology Health Management, College of Nursing, Taipei Medical University, Taipei, Taiwan
- Artificial Intelligence and Digital Health Consultant,
- Principal Investigator at International Center for Health Information Technology
- Digital Health consultant, Merck Healthcare KGaA, Germany.
- Infodemic consultant, George Institute, India.

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CURRICULUM VITAE

Education

- **Medical Doctor – Saint Petersburg Medical Academy, St Petersburg, Russia.**
- **Master of Science – Telemedicine and eHealth from the University of Tromso, Norway.**
- **Doctor of Philosophy – Health Informatics from National Yang-Ming University, Taiwan.**
  Thesis title: A Novel Approach to Visualize and Represent Meaningful Information about the Disease-Wide Associations in Humans (http://disease-map.net/)

- Research Interests –

Professor Shabbir Syed-Abdul is a strong health informatics research professional with expertise in artificial intelligence and internet of things in healthcare. His research focus revolves around long term care of older adults and early prediction and management of chronic diseases such as cancer, chronic kidney disease, etc. He is a Professor at the Graduate Institute of Biomedical Informatics, a leading researcher and a principal investigator at the International Center for Health Information Technology, Taipei, Taiwan. He has been an educator for MOOCs on FutureLearn since 2015.

He performed the role as a physician, a researcher and a principal investigator both in the developed and developing world. This made him to lead advanced global knowledge on the factors that impact on the development of

sustainable healthcare, in particular focusing on innovation and ageing populations.

Prof. Shabbir has been actively involved in Social Media in Health research at the Social Media Working Group IMIA (International Medical Informatics Association). He is also a member of the Asia-Pacific Association for Medical Informatics (APAMI) Scientific Program Committee. He has been actively involved in mobile tele-dermatology project, utilizing smart-phones in remote, resource poor settings of developing countries, open personal health record project along with several European Commission funded H2020 projects. He is also one of the mentors in the course, Health Information Technology for resource-poor settings. He was also a part of the ITU Focus Group on Artificial Intelligence for Health (FG AI4H) in partnership with ITU and World Health Organization (WHO).

Prof. Shabbir has an excellent track record of accomplishing projects and publishing over 100 articles in the SCI prestigious journals including The Lancet, BMJ, JAMIA, Journal of Medical Internet Research, Burns, PlosOne and Journal of Infection, and Computer Methods and Programs in Biomedicine.

His major research interests revolve around Artificial Intelligence, Long-term care with Wearable technologies, mHealth, Personal Health Records, Social Network in healthcare and Hospital Information System. Through his work he looks forward to empower care providers and improve patient engagement and patient empowerment. He feels one of the ways to achieve it is to focus on the management and flow of the health/medical information among health care providers and seekers.

Citation indices @ **Google Scholar** (June 2022)
Citations: 2625
h-index: 30
i10-index: 61

Researchgate Score 37.23 (higher than 95% of ResearchGate members.)

- International Awards –

- **Plum Blossom Card (Permanent Resident Certificate) by Government of Taiwan 2017.**
- **New Investigator of Global Health by Global Health Council 2010. Washington DC.**
- **National Yang Ming University Scholarship 2009—2011.**
- **International Scholar Ex-Change programme by Norwegian Research Council 2009.**
- **Quota scholarship at Tromso University, Norway 2006--2008.**

Patents

- **TW Patent #. M 409487. Mobile Personal Health Record System**
- **US Patent# US20180360346A1 Electronic incentive spirometer**

- **Applied: OR21S19: A smart pill bottle (Category: Smart Medication System; Sub-category: Automatic medication system)**

Books:

- **Participatory Health through Social Media** Edited by: **Shabbir Syed-Abdul**, Elia Gabarron and Annie Lau
  ISBN: 978-0-12-809269-9.
  Publisher: Elsevier Inc.2016.
- **Digital Health : Mobile and Wearable Devices for Participatory Health Applications** Edited by **Shabbir Syed-Abdul** , Xinxin Zhu , Luis Fernandez-Luque
  ISBN10 0128200774
  ISBN13 9780128200773
  Publisher: Elsevier Science Publishing Co Inc. 2020
- **Smart Home Technologies and Services for Geriatric Rehabilitation** Edited by Amine Choukou, and **Shabbir Syed-Abdul**
  Publisher: Elsevier Science Publishing Co Inc. 2021

Mentorship

- PhD students:

Graduated

1) Suleman Atique Gondal, PhD
   Thesis title: Time and Space Analysis of Dengue Fever-Taking Pakistan as an Example

Ongoing

2) Diana Barsasella (PhD):TBD

3) Eshita Dhar (PhD): Epigenetic factors Risk Communication

4) Shu-Ching Yeh (PhD): Predicting heart failure among patients undergoing hemodialysis.

5) Yaoru Huang (PhD)

- Master students:

Graduated

1) Shwetambara Malwade, MSc
   Thesis title: An accessibility and usability of wearable devices among elderly population: A systematic review and survey

2) Md. Mohaimenul Islam, MSc, (PhD)
   Thesis title: Comparison of drugs based on data analysis and clinical trials in health care: a study of statin use and cancer risk

3) Aldilas Achmad Nursetyo, MSc
   Thesis title: Prediction of the start time of renal replacement therapy in patients with chronic kidney disease

4) Rianda-Putra Firdani, MSc
   Thesis title:
   Screening bloodline diseases based on artificial intelligence model cell population data

5) Sim-Mei, Choo (MSc)
   Thesis title:
   Data-Driven Identification of Factors That Determine the Quality of Spontaneous Reports for Malaysia: a 15-Year Analysis of QUEST and VigiBase

Ongoing

6) Karamo Bah (MSc): Topic: Machine Learning Algorithms for Predicting 12 months Risk of Stroke in Type 2 Diabetes Patients.

7) Adama Bah (MSc): Topic: Predicting the risk of stroke in diabetes patients using tyg-index with machine learning algorithms

8) Chih-Chieh Hsieh(MSc)

MOOCS courses:

1. Social Media in Healthcare: Opportunities and Challenges, total 11,334 learners *(9 course runs since Nov 2015)*

2. Internet of Things for Active Aging, total 10,123 learners *(7 course runs since Oct 2016)*

3. Digital Health for Cancer Management: Smart Health Technologies in Complex Diseases, total 2578 learners *(4 course runs since Dec 2017)*

4. Artificial Intelligence for Healthcare: Opportunities and Challenges, total 1804 learners *(2 course runs since May 2019)*

5. Telemedicine: Tools to Support Growth Disorders in a Post-COVID Era (Online from 6th Sept)
https://www.futurelearn.com/courses/tools-to-support-growth-disorders-through-telemedicine-in-post-covid-era

Projects (2015 onwards): Prof. Shabbir as a Principle Investigator

I have managed 8 research grants excluding one permanent residence award (Plum Blossom Card from the Government of Taiwan). My research is supported by a number of regional and national funding bodies totaling US$ 523,840.

1. H2020: iHELP: Personalised Health Monitoring and Decision Support Based on Artificial Intelligence and Holistic Health Records (110-2923-E-038-001-MY3) (Funding Source: Ministry of Science and Technology, Taiwan, Amount in USD: $139,686)

2. Artificial Intelligence based Activity Recognition and Mortality Prediction using Circadian Rhythm, among Cancer Patients in the Hospice Ward (Funding Source: Ministry of Science and Technology, Taiwan, Amount in USD: $54,029)

3. H2020 SmokeFreeBrain: Multidisciplinary tools for improving the efficacy of public prevention measures against smoking (106-2923-E-038-001-MY2) (Funding Source: Ministry of Science and Technology, Taiwan, Amount in USD: $140,045)

4. The Role of Respiratory Rate Variability and Heart Rate Variability in Predicting Adverse Event in the Hemodialysis patients (106-2221-E-038-005) (Funding Source: Ministry of Science and Technology, Taiwan, Amount in USD: $29,617)

5. H2020 CrowdHEALTH project: Using health-related big data for supporting policy making decisions (107-2923-E-038-001-MY2) (Funding Source: Ministry of Science and Technology, Taiwan, Amount in USD: $131,103)

6. AI-based Personal Health Record Management System (PHRMS) for Cancer Risk Prediction: Taiwan – India Collaboration Fostering (106-研-R-0018) (Funding source: Ministry of Health and Welfare, Taiwan, Amount in USD: $14,360)

7. Virtual Reality among the elderly (In collaboration with TMU Center for Active Ageing)

8. Wearable technology for the patient recognition in the Shin Kong Wu Ho-Su Memorial Hospital, grant number: SKH-TMU-104-02 (Amount in USD: $15,000)

As speaker in International Conference: (I did not maintain the record, here are a few that I remember)

1. The role of digital twin in Healthcare. (Canada)
2. International Conference on Vocational Innovation and Applied Sciences, (Indonesia)
3. International Conference of AI in Healthcare (Los Angeles, U.S.A.)
4. Medinfo 2017(Hangzhou, China)
5. 1st International Saudi Health Informatics Conference (Riyadh, Saudi Arabia)
6. CATCH Orientation Conference (Dublin, Ireland)
7. Apollo Hospital Conference (Chennai, India)
8. AIIMS conference for AI-based Personal Health Record Management System (PHRMS) for Cancer Risk
9. Prediction: Taiwan-India Collaboration Fostering (Mohali, India)

Media coverage:

1. https://www.cna.com.tw/news/ahel/202004230326.aspx
2. https://health.ltn.com.tw/article/breakingnews/3143028
3. https://health.udn.com/health/story/120952/4514063
4. https://money.udn.com/money/story/5648/4513212
5. https://times.hinet.net/news/22872413
6. https://www.gvm.com.tw/article/69058
7. http://www.chinatimes.com/newspapers/20170403000300-260106
8. https://udn.com/news/story/6928/2220952
9. http://www.peoplenews.tw/news/a5e27b76-83e8-49cb-b905-387117150295

Participation in programs:

1. 2016 & 2017 TTT Program
2. Mentor of TMU COMST lab meeting since 2015
3. 2017 TEEP @ India Program
4. Committee of International Affairs, GIBI, TMU

My Publications from 2011

1. Tahmina Nasrin Poly, Ming-Chin Lin, **Shabbir Syed-Abdu**l, Chih-Wei Huang, Hsuan-Chia Yang, Yu-Chuan Jack Li. Proton Pump Inhibitor Use and Risk of Gastric Cancer: Current Evidence from Epidemiological Studies and Critical Appraisal. Cancers 2022. 14(13) 3052.
2. Annisa Ristya Rahmanti, Hsuan-Chia Yang, Bagas Suryo Bintoro, Aldilas Achmad Nursetyo, Muhammad Solihuddin Muhtar, **Shabbir Syed Abdul,** Yu-Chuan Li. SlimMe, a Chatbot With Artificial Empathy for Personal Weight Management: System Design and Finding. Frontiers in Nutrition 2022. https://doi.org/10.3389/fnut.2022.870775
3. Santiago Hors-Fraile, Math JJM Candel, Francine Schneider, Shwetambara Malwade, Francisco J Nunez-Benjumea, **Shabbir Syed-Abdul***, Luis Fernandez-Luque, Hein de Vries. Applying Collective Intelligence in Health Recommender Systems for Smoking Cessation: A Comparison Trial. (2022). Electronics 11(8) 1219.
4. **Shabbir Syed-Abdul,** A Shoban Babu, Raja Shekhar Bellamkonda, …Yu-Chuan Li Jack. Using artificial intelligence-based models to predict the risk of mucormycosis among COVID-19 survivors: An experience from a public hospital in India. (2022). - Journal of Infection, 2022. https://doi.org/10.1016/j.jinf.2021.12.016
5. Mohamed-Amine Choukou, Diana C Sanchez-Ramirez, Margriet Pol, Mohy Uddin, Caroline Monnin, **Shabbir Syed-Abdul**. COVID-19 infodemic and digital health literacy in vulnerable populations: A scoping review. 2022. DIGITAL HEALTH 8, 20552076221076927
6. Diana Barsasella, Arief Tarmansyah Iman, Fery Fadly, Mohy Uddin, Arshad Mohammed, Tazeem Shaik, Hermawan Saputra, Shwetambara Malwade, Eshita Dhar, Jitendra Jonnagaddala, **Shabbir Syed-Abdul.** Information Flow and Data Gaps in COVID-19 Recording and Reporting at National and Provincial Levels in Indonesia. 2022. Healthcare 10 (2), 204
7. **Shabbir Syed-Abdul,** A. Shoban Babu, Raja Shekhar Bellamkonda, Ramaiah Itumalla, GVRK Acharyulu, Surya Krishnamurthy, Y. Venkat Santosh Ramana, Naresh Mogilicharla, Shwetambara Malwade, Yu-Chuan Li, Using artificial intelligence-based models to predict the risk of mucormycosis among COVID-19 survivors: An experience from a public hospital in India, 2021. Journal of Infection, 2021, https://doi.org/10.1016/j.jinf.2021.12.016.
8. Yang TY, Kuo PY, Huang Y, Lin HW, Malwade S, Lu LS, Tsai LW, **Syed-Abdul S**, Sun CW, Chiou JF. Deep-Learning Approach to Predict Survival Outcomes Using Wearable Actigraphy Device Among End-Stage Cancer Patients. Front Public Health. 2021 Dec 9; 9:730150. doi: 10.3389/fpubh.2021.730150.
9. Shwetambara Malwade, M. Mallikarjun, G. Rajendranath, Y. Venkat Santosh Ramana, Raja Shekhar Bellamkonda, GVRK Acharyulu, Ramaiah Itumalla, **Shabbir Syed-Abdul**. Telemedicine in your pocket: an alternative teleconsultation tool in a pandemic and in resource-poor settings, Telemedicine and e-Health, November (2021),
10. **Syed Abdul S**, Ramaswamy M, Fernandez-Luque L, John O, Pitti T, Parashar B The Pandemic, Infodemic, and People's Resilience in India: Viewpoint JMIR Public Health Surveill 2021;7(12): e31645 doi: 10.2196/31645
11. Garvit Kataria, Kshitij Dhyani, Darsh Patel, Kathiravan Srinivasan, Shwetambara Malwade, **Shabbir Syed Abdul**; The Smart Pill Sticker: Introducing a Smart Pill Management system based on Touch-point Technology, Health Informatics Journal, *Accepted* September 2021, doi 0.1177/14604582211052848
12. Palomares, Iván, Hugo Alcaraz-Herrera, Kao-Yi Shen, **Shabbir Syed-Abdul**, and Shwetambara Malwade. "F-EvoRecSys: Fuzzy Inference meets Evolutionary Approach for Personalized Well-being Recommendations." In 2021 International Conference on Fuzzy Theory and Its Applications (iFUZZY), pp. 1-6. IEEE, 2021.
13. Barsasella, Diana*, **Shabbir Syed-Abdul***, Shwetambara Malwade, Terry BJ Kuo, Ming-Jen Chien, Francisco J. Núñez-Benjumea, Gi-Ming Lai et al. "Sleep Quality among Breast and Prostate Cancer Patients: A Comparison between Subjective and Objective Measurements." In Healthcare, vol. 9, no. 7, p. 785. Multidisciplinary Digital Publishing Institute, 2021.
14. Asensio-Cuesta, S., Blanes-Selva, V., Conejero, J.A., Frigola, A., Portolés, M.G., Merino-Torres, J.F., Almanza, M.R., **Syed-Abdul, S**., Li, Y.C.J., Vilar-Mateo, R. and Fernandez-Luque, L., 2021. A user-centered chatbot (Wakamola) to collect linked data in population networks to support studies of overweight and obesity causes: design and pilot study. JMIR Medical Informatics, 9(4), p.e17503.
15. Das, Tapan Kumar, Pradeep Kumar Roy, Mohy Uddin, Kathiravan Srinivasan, Chuan Yu Chang, and **Shabbir Syed-Abdul**. "Early tumor diagnosis in brain MR images via deep convolutional neural network model." Computers, Materials and Continua 68, no. 2 (2021): 2413-2429.
16. Barsasella, Diana, Megan F. Liu, Shwetambara Malwade, Cooper J. Galvin, Eshita Dhar, Chia-Chi Chang, Yu-Chuan Jack Li, and **Shabbir Syed-Abdul**. "Effects of Virtual Reality Sessions on the Quality of Life, Happiness, and Functional Fitness among the Older People: A Randomized Controlled Trial from Taiwan." Computer Methods and Programs in Biomedicine 200 (2021): 105892.

17. Krishnamurthy, Surya, Kapeleshh Ks, Erik Dovgan, Mitja Luštrek, Barbara Gradišek Piletič, Kathiravan Srinivasan, Yu-Chuan Jack Li, Anton Gradišek, and **Shabbir Syed-Abdul**. "Machine learning prediction models for chronic kidney disease using national health insurance claim data in Taiwan." In Healthcare, vol. 9, no. 5, p. 546. Multidisciplinary Digital Publishing Institute, 2021.
18. Wadali, Jagjot Singh, Sanjay P. Sood, Rajesh Kaushish, **Shabbir Syed-Abdul**, Praveen K. Khosla, and Madhu Bhatia. "Evaluation of Free, Open-source, Web-based DICOM Viewers for the Indian National Telemedicine Service (eSanjeevani)." Journal of Digital Imaging 33, no. 6 (2020): 1499-1513.
19. Uddin, Mohy, and **Shabbir Syed-Abdul**. "Introduction to digital health approach and mHealth applications for participatory health." In Digital Health, pp. 1-6. Elsevier, 2020.
20. Ryan, Charles, Alexa Minc, Juan Caceres, Alexandra Balsalobre, Achal Dixit, Becky KaPik Ng, Florian Schmitzberger, **Shabbir Syed-Abdul**, and Christopher Fung. "Predicting severe outcomes in Covid-19 related illness using only patient demographics, comorbidities and symptoms." The American Journal of Emergency Medicine (2020).
21. Cooper J. Galvin; Yu-Chuan (Jack) Li; Shwetambara Malwade; **Shabbir Syed-Abdul**. COVID-19 preventive measures showing an unintended decline in infectious diseases in Taiwan. International Journal of Infectious Diseases. Accepted June 2020.
22. Dovgan, Erik, Anton Gradišek, Mitja Luštrek, Mohy Uddin, Aldilas Achmad Nursetyo, Sashi Kiran Annavarajula, Yu-Chuan Li, and **Shabbir Syed-Abdul**. "Using machine learning models to predict the initiation of renal replacement therapy among chronic kidney disease patients." Plos one 15, no. 6 (2020): e0233976.
23. Srinivasan, Kathiravan, Nivedhitha Mahendran, Durai Raj Vincent, Chuan-Yu Chang, and **Shabbir Syed-Abdul**. "Realizing an Integrated Multistage Support Vector Machine Model for Augmented Recognition of Unipolar Depression." Electronics 9, no. 4 (2020): 647.
24. **Syed-Abdul, S**., Firdani, R.P., Chung, H.J., Uddin, M., Hur, M., Park, J.H., Kim, H.W., Gradišek, A. and Dovgan, E., 2020. Artificial Intelligence based Models for Screening of Hematologic Malignancies using Cell Population Data. Scientific Reports, 10(1), pp.1-8.
25. Uddin, Mohy, and **Shabbir Syed-Abdul**. "Data Analytics and Applications of the Wearable Sensors in Healthcare: An Overview." (2020): 1379.
26. Hors-Fraile, Santiago, Shwetambara Malwade, Francisco Luna-Perejon, Claudio Amaya, Antón Civit, Francine Schneider, Panagiotis Bamidis, **Shabbir Syed-Abdul**, Yu-Chuan Li, and Hein de Vries. "Opening the Black Box: Explaining the Process of Basing a Health Recommender System on the I-Change Behavioural Change Model." IEEE Access (2019).
27. Luna-Perejon, Francisco, Shwetambara Malwade, Charis Styliadis, Javier Civit, Daniel Cascado-Caballero, Evdokimos Konstantinidis, **Shabbir Syed Abdul**, Panagiotis D. Bamidis, Anton Civit, and Yu-Chuan Jack Li. "Evaluation of user satisfaction and usability of a mobile app for smoking cessation." Computer methods and programs in biomedicine 182 (2019): 105042.
28. **Syed-Abdul, S**., Malwade, S., Nursetyo, A. A., Sood, M., Bhatia, M., Barsasella, D., ... & Li, Y. C. J. (2019). Virtual reality among the elderly: a usefulness and acceptance study from Taiwan. BMC geriatrics, 19(1), 1-10.
29. Nursetyo, A. A., **Syed-Abdul, S**., Uddin, M., & Li, Y. J. (2019). Graft Rejection Prediction Following Kidney Transplantation Using Machine Learning Techniques: A Systematic Review and Meta-Analysis. Studies in health technology and informatics, 264, 10-14.
30. Uddin, M., & **Syed-Abdul, S**. (2018). Role of electronic patient reported safety incidents in improving patient safety and care. International Journal for Quality in Health Care.
31. Hors-Fraile, Santiago, Shwetambara Malwade, Dimitris Spachos, Luis Fernandez-Luque, Chien-Tien Su, Wei-Li Jeng, **Shabbir Syed-Abdul**, Panagiotis Bamidis, and Yu-Chuan Jack Li. "A recommender system to quit smoking with mobile motivational messages: study protocol for a randomized controlled trial." Trials 19, no. 1 (2018): 618.
32. Islam, M., Poly, T. N., Walther, B. A., Dubey, N. K., Anggraini Ningrum, D. N., & **Shabbir, S. A**. (2018). Adverse outcomes of long-term use of proton pump inhibitors: a systematic review and meta-analysis. European journal of gastroenterology & hepatology, 30(12), 1395-1405.
33. Dubey, Navneet, Dina Ningrum, Rajni Dubey, Yue-Hua Deng, Yu-Chuan Li, Peter Wang, Joseph Wang, **Shabbir Syed-Abdul**, and Win-Ping Deng. "Correlation between diabetes mellitus and knee osteoarthritis: A dry-to-wet lab approach." International journal of molecular sciences 19, no. 10 (2018): 3021.
34. Thakur, Saurabh, **Shabbir Abdul**, Hsiao-Yean Chiu, Ram Roy, Po-Yu Huang, Shwetambara Malwade, Aldilas Nursetyo, and Yu-Chuan Li. "Artificial-Intelligence-Based Prediction of Clinical Events among Hemodialysis Patients Using Non-Contact Sensor Data." Sensors 18, no. 9 (2018): 2833.
35. Iqbal, U., Dagan, A., **Syed-Abdul, S**., Celi, L. A., Malwade, S., Hsu, M. H., & Li, Y. J. (2018). A hackathon promoting Taiwanese health-IoT innovation. Computer methods and programs in biomedicine, 163, 29.
36. Ganapathy, K., **Abdul, S. S**., & Nursetyo, A. A. (2018). Artificial intelligence in neurosciences: A clinician's

perspective. Neurology India, 66(4), 934.

37. Shwetambara Malwade, **Shabbir Syed Abdul***, Mohy Uddin, Aldilas Achmad Nursetyo, Luis Fernandez-Luque, Xinxin Katie Zhu, Liezel Cilliers, Chun-Por Wong, Panagiotis Bamidis, Yu-Chuan Jack Li (2018). “Mobile and wearable technologies in healthcare for the ageing population”. Computer methods and programs in biomedicine. IF 2.503, Rank 20.2%, Total score: 54.0 https://www.sciencedirect.com/science/article/pii/S0169260717314578
38. Shwetambara Kekade, Chung-Ho Hseieh, Md Mohaimenul Islam, Suleman Atique, Abdulwahed Mohammed Khalfan, Yu-Chuan Li, **Shabbir Syed Abdul***(Jan.2018)."The usefulness and actual use of wearable devices among the elderly population". Computer methods and programs in biomedicine.
39. Suleman Atique, Ta-Chien Chan, Chien-Chou Chen, Chien-Yeh Hsu, Somia Iqtidar, Valérie R Louis, **Syed Abdul Shabbir**, Ting-Wu Chuang(Dec.2017), "Investigating spatio-temporal distribution and diffusion patterns of the dengue outbreak in Swat, Pakistan". Journal of infection and public health.
40. Md Mohaimenul Islam, Hsuan-Chia Yang, Phung-Anh Nguyen, Tahmina Nasrin Poly, Chih-Wei Huang, Shwetambara Kekade, Abdulwahed Mohammed Khalfan, Tonmoy Debnath, Yu-Chuan Jack Li, **Shabbir Syed Abdul**(Dec.2017). "Exploring association between statin use and breast cancer risk: an updated meta-analysis". Archives of gynecology and obstetrics.
41. Hong-Jie Dai, Emily Chia-Yu Su, Mohy Uddin, Jitendra Jonnagaddala, Chi-Shin Wu, **Shabbir Syed-Abdul**(Nov.2017). "Exploring associations of clinical and social parameters with violent behaviors among psychiatric patients". Journal of biomedical informatics.
42. Usman Iqbal, Tzu-Hao Chang, Phung-Anh Nguyen, **Shabbir Syed-Abdul**, Hsuan-Chia Yang, Chih-Wei Huang, Suleman Atique, Wei-Chung Yang, Max Moldovan, Wen-Shan Jian, Min-Huei Hsu, Yun Yen, Yu-Chuan Jack Li(Oct.2017). "Benzodiazepines use and breast cancer risk: A population-based study and gene expression profiling evidence". Journal of biomedical informatics.
43. Chung Ming Lo, **Shabbir Syed-Abdul**, Li YC Jack(Sept.2017). The integration of image processing and machine learning for the diagnosis of stroke in CT. Computer methods and programs in biomedicine.
44. **Shabbir Syed-Abdul**, Usman Iqbal, Li YC Jack(Aug.2017). The novel use of an Extreme learning machines for clinical decision support systems. Computer methods and programs in biomedicine.
45. **Shabbir Syed-Abdul**, Usman Iqbal, Li YC Jack(June 2017). Predictive Analytics through Machine Learning in the clinical settings. Computer methods and programs in biomedicine.
46. Suleman Atique, Chung-Ho Hsieh, Ruei-Ting Hsiao, Usman Iqbal, Phung Anh Alex Nguyen, Md Mohaimenul Islam, Yu-Chuan Jack Li, Chien-Yeh Hsu, Ting-Wu Chuang, **Shabbir Syed-Abdul**(June 2017). Viral warts (Human Papilloma Virus) as a potential risk for breast cancer among younger females. Computer methods and programs in biomedicine.
47. Md Mohaimenul Islam, Usman Iqbal, Bruno Andreas Walther, Phung-Anh Nguyen, Yu-Chuan Jack Li, Navneet Kumar Dubey, Tahmina Nasrin Poly, Jakir Hossain Bhuiyan Masud, Suleman Atique, **Shabbir Syed-Abdul**(June 2017). Gender-based personalized pharmacotherapy: a systematic review. Archives of gynecology and obstetrics.
48. Usman Iqbal, Phung Anh Nguyen, **Shabbir Syed-Abdul**, Wen-Shan Jian, Yu-Chuan Jack Li(Apr. 2017). Observational Data Exploration Via Online Tool For For Drugs and Cancer Risk. International Journal for Population Data Science.
49. Brook Tesfaye, Suleman Atique, Noah Elias, Legesse Dibaba, **Shabbir Syed-Abdul**, Mihiretu ebede(Mar. 2017). Determinants and development of a webbased child mortality prediction model in resource-limited settings: A data mining approach. Computer methods and programs in biomedicine.
50. **Shabbir Syed-Abdul**, Usman Iqbal, Yu-Chuan Jack Li(Feb. 2017). Evaluating quality improvement methods and economics of preventable adverse events in the healthcare: From Africa to Europe. International Journal for Quality in Health Care.
51. Eman Asiri, Mohamed Khalifa, **Shabbir Syed-Abdul**, Md Nassif Hossain, Usman Iqbal, Mowafa Househ(Feb. 2017). Sharing sensitive health information through social media in the Arab world. International Journal for Quality in Health Care.
52. Tahmina Nasrin Poly, Md Mohaimenul Islam, Bruno Andreas Walther, Hsuan-Chia Yang, Phung-Anh Nguyen, Chih-Wei Huang, **Shabbir Syed-Abdul**, Yu-Chuan Jack Li(2017). Exploring the Association between Statin Use and the Risk of Parkinson’s Disease: A Meta-Analysis of Observational Studies. Neuroepidemiology.
53. Suleman Atique, **Shabbir Syed Abdul**, Chien-Yeh Hsu, Ting-Wu Chuang(Oct. 2016). Meteorological influences on dengue transmission in Pakistan. Asian Pacific journal of tropical medicine.
54. Alan Hwang, Leslie Chou, MM Islam, Yu-Chuan Li, **Shabbir Syed-Abdul**(Oct. 2016). Risk factors for ectopic pregnancy in the Taiwanese population: a retrospective observational study. Archives of gynecology and obstetrics.
55. **Shabbir Syed-Abdul**, Usman Iqbal, Yu-Chuan Li(Sept. 2016). Impact of continuity of care on preventable

hospitalization and evaluating patient safety indicators between Italy and the USA. International Journal for Quality in Health Care.

56. Suleman Atique, Mowafa Hosueh, Luis Fernandez-Luque, Elia Gabarron, Marian Wan, Onkar Singh, Vicente Traver Salcedo, Yu-Chuan Jack Li, **Shabbir Syed-Abdul**(Aug.2016). Lessons learnt from a MOOC about social media for digital health literacy. Engineering in Medicine and Biology Society (EMBC), 2016 IEEE 38th Annual International Conference.
57. Navneet Kumar Dubey, **Shabbir Syed-Abdul**, Phung Anh Nguyen, Rajni Dubey, Usman Iqbal, Yu-Chuan Li, Wei-Hong Chen, Win-Ping Deng(Aug.2016). Association between anxiety state and mitral valve disorders: A Taiwanese population-wide observational study. Computer methods and programs in biomedicine.
58. **Shabbir Syed-Abdul**, Elia Gabarron, Annie Lau(June 2016). Participatory Health Through Social Media. Academic Press.
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