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Artificial intelligence and e-health for inflammatory bowel diseases: The quest to enhance patient experiences, outcomes and costs
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List of Publications

This thesis

1. **Zand, A**, van Deen, WK, Inserra, EK, Hall, L, Kane, E, Centeno, A, Choi, JM, Ha, CY, Esrailian, E, D’Haens, GR, Hommes, DW. Presenteeism in Inflammatory Bowel Diseases: A Hidden Problem with Significant Economic Impact. *Inflamm Bowel Dis*. 2015 Jul;21(7):1623-30
2. **Zand A**, Nguyen A, Stokes Z, Reynolds C, Dimitrova M, Khong A, Khandadash A, Dvorsky M, Van Deen WK, Sauk J, Hommes DW. The Development of a Screening Tool to Identify and Classify Nonadherence in Inflammatory Bowel Disease. *Crohn’s & Colitis* 360. 2019 Oct;1(3):otz035
3. **Zand, A**, Sharma, A, Stokes, Z, Reynolds, C, Montilla, A, Sauk, J, & Hommes, DW. An Exploration Into the Use of a Chatbot for Patients With Inflammatory Bowel Diseases: Retrospective Cohort Study. *J Med Internet Res*. 2020 May 26;22(5):e15589
4. **Zand A**, Kim B, Van Deen WK, Stokes Z, Platt A, O’Hara S, Khong H, Hommes DW. The Effects of Inflammatory Bowel Disease on Caregivers: Significant Burden and Loss of Productivity. *BMC Health Serv Res*. 2020 Jun 18;20(1):556
5. **Zand A**, Nguyen A, Stokes Z, van Deen WK, , Lightner A, Platt A, Jacobs R, Reardon S, Kane E, Sack J, Hommes DW. Patient Experiences and Outcomes of a Telehealth Clinical Care Pathway for Postoperative Inflammatory Bowel Disease Patients. *Telemed J E Health*. 2020 Jul;26(7):889-897
6. **Zand A**, Nguyen A, Reynolds C, Khandadash A, Esrailian E, Hommes DW. Patient Experience and Satisfaction with an e-Health Care Management Application for Inflammatory Bowel Diseases. *Submitted*
7. **Zand A**, Stokes Z, Sharma A, van Deen WK, Hommes DW. Artificial Intelligence for Inflammatory Bowel Diseases (IBD); Developing and Validating Machine Learning Models in Big Data to Predict Negative Outcomes. *Submitted*

Other

8. Van Deen WK, van der Meulen-de Jong AE, Parekh NK, Kane E, **Zand A**, DiNicola CA, Hall L, Inserra EK, Choi JM, Ha CY, Esrailian E, van Oijen MG, Hommes DW. Development and Validation of an Inflammatory Bowel Diseases Monitoring Index for Use With Mobile Health Technologies. *Clin Gastroenterol Hepatol*. 2016 Dec;14(12):1742-1750.e7
9. DiNicola CA, **Zand A**, Hommes DW. Autologous hematopoietic stem cells for refractory Crohn's disease. *Expert Opin Biol Ther*. 2017 May;17(5):555-564
10. Klatter DCF, Sprangers R, Otten W, Beltman M, Klass G, **Zand A**, Hommes DW. Health Outcomes and Experiences of Direct-to-Consumer High-Intensity Screening Using both Whole-Body Magnetic Resonance Imaging and Cardiological Examination: a Prospective Follow-Up Study. *Accepted*
11. **Zand A**, Nguyen A, van Beek V, Klatter DCF, Jalalzadeh H, Hommes DW. Risk-stratified Health Pathways for cancer screening: model development and future applications. *Submitted*
12. Shi, S, Nguyen, D, Kim B, Hommes DW, **Zand A**. Patient Recall of Care Objectives in Inflammatory Bowel Diseases. *Submitted*