

# Stanford

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## Neil Shah

Clinical Associate Professor, Pathology

### CLINICAL OFFICES

- **Stanford Dept of Pathology**

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### Bio

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#### BIO

Dr. Shah is board certified in clinical pathology, transfusion medicine, and clinical informatics. His interests include the creation and use of rules-based and machine learning models from health data to help providers make better care decisions.

#### CLINICAL FOCUS

- Blood Transfusion
- Medical Informatics
- Clinical Laboratory Information Systems
- Clinical Pathology

#### ACADEMIC APPOINTMENTS

- Clinical Associate Professor, Pathology

#### ADMINISTRATIVE APPOINTMENTS

- Medical Director of Informatics for Transfusion Services, Stanford University Medical Center, (2013- present)
- Medical Director of Referral (Send Out) Testing, Stanford University Medical Center, (2013-2019)
- Medical Informatics Director, Stanford Healthcare, (2014- present)

#### PROFESSIONAL EDUCATION

- Board Certification: Clinical Pathology, American Board of Pathology (2013)
- Medical Education: University of Texas Southwestern Medical School Registrar (2009) TX
- Board Certification: Clinical Informatics, American Board of Pathology (2016)
- Board Certification: Blood Banking/Transfusion Medicine, American Board of Pathology (2013)
- Residency: University of Texas Southwestern Medical Center (2009) TX
- Fellowship: University of Texas Southwestern Medical Center (2013) TX

- B.S., Duke University , Biochemistry, Health Policy (2005)

## Teaching

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### GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Clinical Informatics (Fellowship Program)
- Transfusion Medicine (Fellowship Program)

## Publications

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### PUBLICATIONS

- **Decision Support in Transfusion Medicine and Blood Banking** *CLINICS IN LABORATORY MEDICINE*  
Shah, N. K.  
2019; 39 (2): 269-+
- **Decision Support in Transfusion Medicine and Blood Banking.** *Clinics in laboratory medicine*  
Shah, N. K.  
2019; 39 (2): 269-79
- **Thrombophilia testing in the inpatient setting: impact of an educational intervention.** *BMC medical informatics and decision making*  
Kwang, H., Mou, E., Richman, I., Kumar, A., Berube, C., Kaimal, R., Ahuja, N., Harman, S., Johnson, T., Shah, N., Witteles, R., Harrington, R., Shieh, et al  
2019; 19 (1): 167
- **Predicting Low Information Laboratory Diagnostic Tests.** *AMIA Joint Summits on Translational Science proceedings. AMIA Joint Summits on Translational Science*  
Roy, S. K., Hom, J., Mackey, L., Shah, N., Chen, J. H.  
2018; 2017: 217-26
- **Real-Time Clinical Decision Support Decreases Inappropriate Plasma Transfusion** *AMERICAN JOURNAL OF CLINICAL PATHOLOGY*  
Shah, N., Baker, S. A., Spain, D., Shieh, L., Shepard, J., Hadhazy, E., Maggio, P., Goodnough, L. T.  
2017; 148 (2): 154-60
- **Implementation of Epic Beaker Clinical Pathology at Stanford University Medical Center** *AMERICAN JOURNAL OF CLINICAL PATHOLOGY*  
Tan, B. T., Fralick, J., Flores, W., Schrandt, C., Davis, V., Bruynell, T., Wilson, L., Christopher, J., Weber, S., Shah, N.  
2017; 147 (3): 261-272
- **A high value care curriculum for interns: a description of curricular design, implementation and housestaff feedback.** *Postgraduate medical journal*  
Hom, J., Kumar, A., Evans, K. H., Svec, D., Richman, I., Fang, D., Smeraglio, A., Holubar, M., Johnson, T., Shah, N., Renault, C., Ahuja, N., Witteles, et al  
2017
- **Assessing Screening Guidelines for Cardiovascular Disease Risk Factors using Routinely Collected Data.** *Scientific reports*  
Pannu, J., Poole, S., Shah, N., Shah, N. H.  
2017; 7 (1): 6488
- **Prevalence and Financial Impact of Inappropriate Thrombophilia Testing in the Inpatient Hospital Setting: A Retrospective Analysis**  
Mou, E., Kwang, H., Hom, J., Shieh, L., Ahuja, N., Harman, S., Johnson, T., Kumar, A., Shah, N., Witteles, R., Berube, C.  
AMER SOC HEMATOLOGY.2016
- **How I use clinical decision support to improve red blood cell utilization** *TRANSFUSION*  
Goodnough, L. T., Baker, S. A., Shah, N.  
2016; 56 (10): 2406-2411
- **How I use clinical decision support to improve red blood cell utilization.** *Transfusion*  
Tim Goodnough, L., Andrew Baker, S., Shah, N.  
2016; 56 (10): 2406-2411
- **Transportation Cooler Interventions Reduce Plasma and RBC Product Wastage.** *American journal of clinical pathology*  
Metcalf, R. A., Baker, S. A., Goodnough, L. T., Shah, N.

2016; 146 (1): 18-24

- **Is there a "magic" hemoglobin number? Clinical decision support promoting restrictive blood transfusion practices.** *American journal of hematology*  
Goodnough, L. T., Shah, N.  
2015; 90 (10): 927-933
- **Transfusions for anemia in adult and pediatric patients with malignancies.** *Blood reviews*  
Shah, N., Andrews, J., Goodnough, L. T.  
2015; 29 (5): 291-299
- **The Next Chapter in Patient Blood Management Real-Time Clinical Decision Support** *AMERICAN JOURNAL OF CLINICAL PATHOLOGY*  
Goodnough, L. T., Shah, N.  
2014; 142 (6): 741-747
- **The next chapter in patient blood management: real-time clinical decision support.** *American journal of clinical pathology*  
Goodnough, L. T., Shah, N.  
2014; 142 (6): 741-747
- **Restrictive blood transfusion practices are associated with improved patient outcomes.** *Transfusion*  
Goodnough, L. T., Maggio, P., Hadhazy, E., Shieh, L., Hernandez-Boussard, T., Khari, P., Shah, N.  
2014; 54 (10): 2753-2759
- **Restrictive blood transfusion practices are associated with improved patient outcomes** *TRANSFUSION*  
Goodnough, L. T., Maggio, P., Hadhazy, E., Shieh, L., Hernandez-Boussard, T., Khari, P., Shah, N.  
2014; 54 (10): 2753-2759
- **Role of ADAMTS13 in the management of thrombotic microangiopathies including thrombotic thrombocytopenic purpura (TTP)** *BRITISH JOURNAL OF HAEMATOLOGY*  
Shah, N., Rutherford, C., Matevosyan, K., Shen, Y., Sarode, R.  
2013; 163 (4): 514-519
- **Warfarin reversal: schism between clinical practice and published guidelines** *TRANSFUSION*  
Shah, N., Sarode, R.  
2013; 53 (3): 476-479
- **Thrombotic thrombocytopenic purpurawhat is new?** *JOURNAL OF CLINICAL APHERESIS*  
Shah, N., Sarode, R.  
2013; 28 (1): 30-35