

# Stanford

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## Oliver O. Aalami, MD

Clinical Associate Professor, Surgery - Vascular Surgery

### CLINICAL OFFICES

- **Vascular Center**

300 Pasteur Dr H3640

MC 5308

Stanford, CA 94305

**Tel** (650) 725-5227

**Fax** (650) 723-3600

### Bio

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### CLINICAL FOCUS

- Vascular Surgery
- Endovascular Surgery
- Digital Health
- Health Information Technology
- Precision Medicine

### ACADEMIC APPOINTMENTS

- Clinical Associate Professor, Surgery - Vascular Surgery

### ADMINISTRATIVE APPOINTMENTS

- Lead Director, Biodesign for Digital Health, Stanford Byers Center for Biodesign, (2018- present)
- Medical Director, Wound Clinic, VAPAHCS, (2014- present)
- Medical Director, Vascular Laboratory, VAPAHCS, (2012- present)

### PROFESSIONAL EDUCATION

- Board Certification: Vascular Surgery, American Board of Surgery (2010)
- Board Certification: General Surgery, American Board of Surgery (2007)
- Fellowship: Northwestern University Medical Center (2007) IL
- Residency: UCSF - East Bay Surgery Program (2005) CA
- Internship: UCSF - East Bay Surgery Program (1999) CA
- Medical Education: Boston University School of Medicine (1998) MA

## Research & Scholarship

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### CURRENT RESEARCH AND SCHOLARLY INTERESTS

We launched a national precision medicine PAD trial called, VascTrac (<http://vasctrac.stanford.edu/>). This trial is mobile phone based and leverages Apple's ResearchKit Platform to monitor a patient's activity both pre- and post-intervention. We are validating mobile phone surveillance for PAD patients and are currently enrolling.

### CLINICAL TRIALS

- Study of the Effectiveness of Telmisartan in Slowing the Progression of Abdominal Aortic Aneurysms, Recruiting
- VascTrac Peripheral Arterial Disease (PAD) Study, Not Recruiting

## Publications

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### PUBLICATIONS

- **Use of a proactive duplex ultrasound protocol for hemodialysis access.** *Journal of vascular surgery*  
Itoga, N. K., Ullery, B. W., Tran, K., Lee, G. K., Aalami, O. O., Bech, F. R., Zhou, W.  
2016; 64 (4): 1042-1049 e1
- **Novel Use of Google Glass for Procedural Wireless Vital Sign Monitoring.** *Surgical innovation*  
Liebert, C. A., Zayed, M. A., Aalami, O., Tran, J., Lau, J. N.  
2016; 23 (4): 366-373
- **Erratum to: 'Telmisartan in the management of abdominal aortic aneurysm (TEDY): The study protocol for a randomized controlled trial'.** *Trials*  
Morris, D. R., Cunningham, M. A., Ahimastos, A. A., Kingwell, B. A., Pappas, E., Bourke, M., Reid, C. M., Stijnen, T., Dalman, R. L., Aalami, O. O., Lindeman, J. H., Norman, P. E., Walker, et al  
2016; 17 (1): 43-?
- **A Prospective Evaluation of Using IVUS during Percutaneous Superficial Femoral Artery Interventions** *ANNALS OF VASCULAR SURGERY*  
Hitchner, E., Zayed, M., Varu, V., Lee, G., Aalami, O., Zhou, W.  
2015; 29 (1): 28-33
- **Telmisartan in the management of abdominal aortic aneurysm (TEDY): The study protocol for a randomized controlled trial.** *Trials*  
Morris, D. R., Cunningham, M. A., Ahimastos, A. A., Kingwell, B. A., Pappas, E., Bourke, M., Reid, C. M., Stijnen, T., Dalman, R. L., Aalami, O. O., Lindeman, J. H., Norman, P. E., Walker, et al  
2015; 16: 274-?
- **Targeting of Sp1 transcription factor: a novel therapeutic approach for Keloids, an in vitro analysis** *EXPERIMENTAL DERMATOLOGY*  
Mukhopadhyay, A., Khoo, A., Cheong, H. H., Chan, S. Y., Aalami, O., Lim, I. J., Phan, T. T.  
2007; 16 (12): 1023-1031
- **mTOR as a potential therapeutic target for treatment of keloids and excessive scars** *EXPERIMENTAL DERMATOLOGY*  
Ong, C. T., Khoo, Y. T., Mukhopadhyay, A., Do, D. V., Lim, I. J., Aalami, O., Phan, T. T.  
2007; 16 (5): 394-404
- **Differential gene expression between juvenile and adult dura mater: A window into what genes play a role in the regeneration of membranous bone** *PLASTIC AND RECONSTRUCTIVE SURGERY*  
Wan, D. C., Aalami, O. O., Wang, Z., Nacamuli, R. P., Lorget, F., Derynck, R., Longaker, M. T.  
2006; 118 (4): 851-861
- **Effects of JAK3 inhibition with CP-690,550 on immune cell populations and their functions in nonhuman primate recipients of kidney allografts** *TRANSPLANTATION*  
Paniagua, R., Si, M. S., Flores, M. G., Rousvoal, G., Zhang, S., Aalami, O., Campbell, A., Changelian, P. S., Reitz, B. A., Borie, D. C.  
2005; 80 (9): 1283-1292
- **Smad3 signalling plays an important role in keloid pathogenesis via epithelial-mesenchymal interactions** *JOURNAL OF PATHOLOGY*  
Phan, T. T., Lim, I. J., Aalami, O., Lorget, F., Khoo, A., Tan, E. K., Mukhopadhyay, A., Longaker, M. T.

2005; 207 (2): 232-242

- **Differential transcriptional expression profiles of juvenile and adult calvarial bone** *PLASTIC AND RECONSTRUCTIVE SURGERY*  
Aalami, O. O., Nacamuli, R. P., Salim, A., Fong, K. D., Lenton, K. A., Song, H. M., Fang, T. D., Longaker, M. T.  
2005; 115 (7): 1986-1994
- **Bone morphogenetic protein 2 and retinoic acid accelerate in vivo bone formation, osteoclast recruitment, and bone turnover** *TISSUE ENGINEERING*  
Cowan, C. M., Aalami, O. O., Shi, Y. Y., Chou, Y. F., Mari, C., Thomas, R., Quarto, N., Nacamuli, R. P., Contag, C. H., Wu, B., Longaker, M. T.  
2005; 11 (3-4): 645-658
- **Applications of a mouse model of calvarial healing: Differences in regenerative abilities of juveniles and adults** *PLASTIC AND RECONSTRUCTIVE SURGERY*  
Aalami, O. O., Nacamuli, R. P., Lenton, K. A., Cowan, C. M., Fang, T. D., Fong, K. D., Shi, Y. Y., Song, H. M., Sahar, D. E., Longaker, M. T.  
2004; 114 (3): 713-720
- **Adipose-derived adult stromal cells heal critical-size mouse calvarial defects** *NATURE BIOTECHNOLOGY*  
Cowan, C. M., Shi, Y. Y., Aalami, O. O., Chou, Y. F., Mari, C., Thomas, R., Quarto, N., Contag, C. H., Wu, B., Longaker, M. T.  
2004; 22 (5): 560-567
- **Mechanisms of murine cranial suture patency mediated by a dominant negative transforming growth factor-beta receptor adenovirus** *PLASTIC AND RECONSTRUCTIVE SURGERY*  
Song, H. J., Fong, D., Nacamuli, R. P., Warren, S. M., Fang, T. D., Mathy, J. A., Cowan, C. M., Aalami, O. O., Longaker, M. T.  
2004; 113 (6): 1685-1697
- **In vitro murine posterior frontal suture fate is age-dependent: Implications for cranial suture biology** *PLASTIC AND RECONSTRUCTIVE SURGERY*  
Song, H. J., Sahar, D. E., Fong, K. D., Nacamuli, R. P., Fang, T. D., Mathy, J. A., Aalami, O. O., Warren, S. M., Longaker, M. T.  
2004; 113 (4): 1192-1204
- **Postoperative rhabdomyolysis following laparoscopic gastric bypass in the morbidly obese** *ARCHIVES OF SURGERY*  
Khurana, R. N., Baudendistel, T. E., Morgan, E. F., Rabkin, R. A., Elkin, R. B., Aalami, O. O.  
2004; 139 (1): 73-76
- **Physiological features of aging persons** *ARCHIVES OF SURGERY*  
Aalami, O. O., Fang, T. D., Song, H. M., Nacamuli, R. P.  
2003; 138 (10): 1068-1076
- **Roles of periosteum, dura, and adjacent bone on healing of cranial osteonecrosis - Discussion** *JOURNAL OF CRANIOFACIAL SURGERY*  
Aalami, O. O., Nacamuli, R. P., Longaker, M. T.  
2003; 14 (3): 380-382
- **A mouse model of mandibular distraction osteogenesis** *10th International Congress of the International-Society-of-Craniofacial-Surgery*  
Fang, T. D., Nacamuli, R. P., Song, H. M., Thomas, R., Fong, K. D., Aalami, O. O., Longaker, M. T.  
MEDIMOND PUBLISHING CO.2003: 397-398
- **Microarray analysis of regional patterning of suture-specific dura mater** *10th International Congress of the International-Society-of-Craniofacial-Surgery*  
Nacamuli, R. P., Song, H. M., Fang, T. D., Fong, K. D., Aalami, O. O., Salim, A., Sahar, D. E., Chi, J. T., Longaker, M. T.  
MEDIMOND PUBLISHING CO.2003: 459-460
- **Cranial suture fate in an in vitro organ culture model** *10th International Congress of the International-Society-of-Craniofacial-Surgery*  
Sahar, D. E., Song, H. M., Fong, K. D., Nacamuli, R. P., Warren, S. M., Mathy, J. A., Fang, T. D., Aalami, O., Longaker, M. T.  
MEDIMOND PUBLISHING CO.2003: 473-475
- **Establishment of a young-versus-adult mouse calvarial defect model** *10th International Congress of the International-Society-of-Craniofacial-Surgery*  
Aalami, O. O., Nacamuli, R. P., Fong, K. D., Fang, T. D., Song, H. M., Sahar, D. E., Lenton, K. A., Cowan, C. M., Longaker, M. T.  
MEDIMOND PUBLISHING CO.2003: 375-377
- **Analysis of de novo bone formation by dura-derived TGF-beta signaling** *10th International Congress of the International-Society-of-Craniofacial-Surgery*  
Song, H. M., Nacamuli, R. P., Fong, K. D., Fang, T. D., Aalami, O. A., Warren, S. M., Longaker, M. T.  
MEDIMOND PUBLISHING CO.2003: 489-491

- **The osteogenic antagonist BMP-3 is down-regulated during programmed suture fusion in the rat** *10th International Congress of the International-Society-of-Craniofacial-Surgery*  
Fong, K. D., Nacamuli, R. P., Lenton, K., Fang, T. D., Song, H. M., Salim, A., Shi, Y. Y., Aalami, O. O., Longaker, M. T.  
MEDIMOND PUBLISHING CO.2003: 399–401
- **Microarray analysis comparing juvenile and adult dura mater** *10th International Congress of the International-Society-of-Craniofacial-Surgery*  
Aalami, O. O., Fong, K. D., Nacamult, R. P., Fang, T. D., Song, H. M., Sahar, D. E., Lenton, K. A., Cowan, C. M., Chi, J. T., Longaker, M. T.  
MEDIMOND PUBLISHING CO.2003: 373–374