

# Stanford

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## Derrick Wan

Johnson and Johnson Distinguished Professor in Surgery and Professor, by courtesy, of Neurosurgery

Surgery - Plastic & Reconstructive Surgery

### CLINICAL OFFICE (PRIMARY)

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### Bio

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### CLINICAL FOCUS

- Plastic Surgery

### ACADEMIC APPOINTMENTS

- Professor - University Medical Line, Surgery - Plastic & Reconstructive Surgery
- Professor - University Medical Line (By courtesy), Neurosurgery
- Member, Maternal & Child Health Research Institute (MCHRI)
- Member, Stanford Cancer Institute

### PROFESSIONAL EDUCATION

- Board Certification: Plastic Surgery, American Board of Plastic Surgery (2012)
- Medical Education: Columbia University (2001) NY
- Internship: New York University Med Ctr (2002) NY
- Residency: UCSF General Surgery Residency (2007) CA
- Residency, UCLA - Plastic Surgery , CA (2009)
- Fellowship, UCLA - Craniofacial Surgery , CA (2010)
- Fellowship, Chang Gung Memorial Hospital - Microsurgery , Taiwan (2011)

### Publications

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### PUBLICATIONS

- **Clinical, mechanistic, and therapeutic landscape of cutaneous fibrosis.** *Science translational medicine*  
Li, D. J., Berry, C. E., Wan, D. C., Longaker, M. T.  
2024; 16 (766): eadn7871
- **Comparing Cortiva Silhouette to AlloDerm for Use in Prepectoral Two-stage Prosthetic Breast Reconstruction.** *Plastic and reconstructive surgery. Global open*  
Silverstein, M. L., Wan, D., Momeni, A.

2024; 12 (9): e6146

- **AI-based Cleft Lip and Palate Surgical Information is Preferred by Both Plastic Surgeons and Patients in a Blind Comparison.** *The Cleft palate-craniofacial journal : official publication of the American Cleft Palate-Craniofacial Association*  
Fazilat, A. Z., Berry, C. E., Churukian, A., Lavin, C., Kameni, L., Brenac, C., Podda, S., Bruckman, K., Lorenz, H. P., Khosla, R. K., Wan, D. C.  
2024; 10556656241266368
- **Understanding the Foreign Body Response via Single-Cell Meta-Analysis.** *Biology*  
Liang, N. E., Parker, J. B., Lu, J. M., Januszyk, M., Wan, D. C., Griffin, M., Longaker, M. T.  
2024; 13 (7)
- **Role of ferroptosis in radiation-induced soft tissue injury.** *Cell death discovery*  
Berry, C. E., Kendig, C. B., An, N., Fazilat, A. Z., Churukian, A. A., Griffin, M., Pan, P. M., Longaker, M. T., Dixon, S. J., Wan, D. C.  
2024; 10 (1): 313
- **Single-cell transcriptional analysis of irradiated skin reveals changes in fibroblast subpopulations and variability in caveolin expression.** *Radiation oncology (London, England)*  
Kameni, L. E., Griffin, M., Berry, C. E., Shariatzadeh, S., Downer, M. A., Valencia, C., Fazilat, A. Z., Nazerali, R., Momeni, A., Januszyk, M., Longaker, M. T., Wan, D. C.  
2024; 19 (1): 82
- **Microsurgical Breast Reconstruction can be Performed Safely in Patients with Obesity.** *Journal of reconstructive microsurgery*  
Silverstein, M. L., Sorice-Virk, S., Wan, D. C., Momeni, A.  
2024
- **Ferroptosis Inhibition with Deferoxamine Alleviates Radiation-Induced Fibrosis.** *Research square*  
Berry, C. E., Kendig, C., Bs, T. L., Brenac, C., Griffin, M., Guo, J., Kameni, L., Dixon, S. J., Longaker, M. T., Wan, D.  
2024
- **Deferoxamine topical cream superior to patch in rescuing radiation-induced fibrosis of unwounded and wounded skin.** *Journal of cellular and molecular medicine*  
Berry, C. E., Abbas, D. B., Griffin, M., Lintel, H., Guo, J., Kameni, L., Churukian, A. A., Fazilat, A. Z., Chen, K., Gurtner, G. C., Longaker, M. T., Momeni, A., Wan, et al  
2024; 28 (8): e18306
- **Understanding wound healing in obesity.** *World journal of experimental medicine*  
Cotterell, A., Griffin, M., Downer, M. A., Parker, J. B., Wan, D., Longaker, M. T.  
2024; 14 (1): 86898
- **A tension offloading patch mitigates dermal fibrosis induced by pro-fibrotic skin injections.** *Research square*  
Talbot, H. E., Griffin, M. F., Mascharak, S., Parker, J. B., Kuhnert, M. M., Guo, J. L., Diaz Deleon, N. M., Lavin, C., Abbas, D., Guardino, N., Morgan, A., Valencia, C., Cotterell, et al  
2024
- **Deferoxamine Intradermal Delivery Patch for Treatment of a Beta-Thalassemia Wound.** *Annals of surgery open : perspectives of surgical history, education, and clinical approaches*  
Perrault, D., Chattopadhyay, A., Sivaraj, D., Wan, D., Chen, K., Gurtner, G., Sen, S.  
2024; 5 (1): e372
- **Both Patients and Plastic Surgeons prefer AI-Generated Microsurgical Information.** *Journal of reconstructive microsurgery*  
Berry, C., Fazilat, A. Z., Lavin, C. V., Lintel, H., Cole, N. A., Stingl, C. S., Valencia, C., Morgan, A. G., Momeni, A., Wan, D. C.  
2024
- **Pharmacological and cell-based treatments to increase local skin flap viability in animal models.** *Journal of translational medicine*  
Berry, C. E., Le, T., An, N., Griffin, M., Januszyk, M., Kendig, C. B., Fazilat, A. Z., Churukian, A. A., Pan, P. M., Wan, D. C.  
2024; 22 (1): 68
- **US air pollution is associated with increased incidence of non-syndromic cleft lip/palate.** *Journal of plastic, reconstructive & aesthetic surgery : JPRAS*  
Krakauer, K. N., Cevallos, P. C., Amakiri, U. O., Saldana, G. M., Lipman, K. J., Howell, L. K., Wan, D. C., Khosla, R. K., Nazerali, R., Shekter, C. C.  
2023; 88: 344-351

- **Healing of Chronically Irradiated Excisional Wounds Improved by Topical Deferoxamine Treatment**  
Berry, C., Griffin, M., Kameni, L., Abbas, D., Downer, M., Parker, J. B., Liang, N., Januszyk, M., Longaker, M. T., Wan, D. C.  
LIPPINCOTT WILLIAMS & WILKINS.2023: S382-S383
- **Single-Cell RNA-Seq Analysis Reveals Similar Fibroblasts in Irradiated Skin of Humans, Mice, and Pigs**  
Kameni, L., Berry, C., Griffin, M., Januszyk, M., Downer, M., Huber, J. L., Parker, J., Momeni, A., Longaker, M. T., Wan, D. C.  
LIPPINCOTT WILLIAMS & WILKINS.2023: S389
- **Single-Cell RNA-Sequencing Identifies Modulator of Foreign Body Response with Use of Acellular Dermal Matrix in Breast Reconstruction**  
Liang, N., Tevlin, R., Griffin, M., Parker, J. B., Henn, D., Navarro, R. S., Dung Nguyen, Momeni, A., Wan, D. C., Longaker, M. T.  
LIPPINCOTT WILLIAMS & WILKINS.2023: S389-S390
- **Tissue Microenvironment a Key Driver in Fibrotic Capsules Formed During Foreign Body Response**  
Parker, J. B., Griffin, M., Downer, M., Morgan, A., Guo, J. L., Liang, N., Berry, C., Diiorio, S., Wan, D. C., Longaker, M. T.  
LIPPINCOTT WILLIAMS & WILKINS.2023: S393
- **Fat Grafting Treatment for Radiation-Induced Fibrosis Results in Downregulation of Inflammatory and Fibrotic Signaling Pathways**  
Berry, C., Abbas, D., Kameni, L., Griffin, M., Downer, M., Parker, J. B., Guo, J. L., Januszyk, M., Longaker, M. T., Wan, D. C.  
LIPPINCOTT WILLIAMS & WILKINS.2023: S381-S382
- **Analysis of Collagen Extracellular Matrix Ultrastructure in Mouse Long Bone Distraction Osteogenesis**  
Diiorio, S., Guo, J. L., Griffin, M., Huber, J. L., Downer, M., Berry, C., Wan, D. C., Longaker, M. T.  
LIPPINCOTT WILLIAMS & WILKINS.2023: S378-S379
- **Grafting of Human Foreskin onto Murine Dorsum Provides a Novel Model of Chronic Radiation-Induced Fibrosis**  
Berry, C., Abbas, D., Griffin, M., Kameni, L., Downer, M., Parker, J. B., Liang, N., Diiorio, S., Longaker, M. T., Wan, D. C.  
LIPPINCOTT WILLIAMS & WILKINS.2023: S398
- **Meta-Analysis of Single-Cell Transcriptomics Data of Cardiac Fibroblasts Reveals Temporal Heterogeneity of Cardiac Fibroblast Response after MI**  
Lu, J., Januszyk, M., Griffin, M., Guo, J. L., Wan, D. C., Longaker, M. T.  
LIPPINCOTT WILLIAMS & WILKINS.2023: S68
- **Novel Deferoxamine Cream Formulation Improves Perfusion, Elasticity, and Tissue Architecture in Chronically Irradiated Murine Skin Compared to Transdermal Patch**  
Berry, C., Abbas, D., Kameni, L., Griffin, M., Downer, M., Parker, J. B., Liang, N., Guo, J. L., Longaker, M. T., Wan, D. C.  
LIPPINCOTT WILLIAMS & WILKINS.2023: S386
- **Pioglitazone Decreases Adipogenesis Leading to Melanoma Skin Tumor Suppression**  
Downer, M., Griffin, M., Morgan, A., Parker, J. B., Berry, C., Li, D. J., Liang, N., Kameni, L., Wan, D. C., Longaker, M. T.  
LIPPINCOTT WILLIAMS & WILKINS.2023: S387-S388
- **Ferropotosis Levels Decrease in Response to Deferoxamine Treatment in Irradiated Murine Skin**  
Berry, C., Kameni, L., Griffin, M., Downer, M., Parker, J. B., Guo, J. L., Liang, N., Januszyk, M., Longaker, M. T., Wan, D. C.  
LIPPINCOTT WILLIAMS & WILKINS.2023: S382
- **A Review of Radiation-Induced Vascular Injury and Clinical Impact.** *Annals of plastic surgery*  
Kameni, L. E., Januszyk, M., Berry, C. E., Downer, M. A., Parker, J. B., Morgan, A. G., Valencia, C., Griffin, M., Li, D. J., Liang, N. E., Momeni, A., Longaker, M. T., Wan, et al  
2023
- **Quality Assessment of Online Resources for Gender-affirming Surgery.** *Plastic and reconstructive surgery. Global open*  
Berry, C. E., Fazilat, A. Z., Churukian, A. A., Abbas, D. B., Griffin, M., Downer, M., Januszyk, M., Momeni, A., Morrison, S. D., Wan, D. C.  
2023; 11 (10): e5306
- **Allele-specific expression reveals genetic drivers of tissue regeneration in mice.** *Cell stem cell*  
Mack, K. L., Talbott, H. E., Griffin, M. F., Parker, J. B., Guardino, N. J., Spielman, A. F., Davitt, M. F., Mascharak, S., Downer, M., Morgan, A., Valencia, C., Akras, D., Berger, et al  
2023
- **Technical Tips to Reduce Implant Rippling in Staged Pre-pectoral Breast Reconstruction.** *Aesthetic plastic surgery*

- Tevlin, R., Sharma, A. D., Griffin, M., Wan, D., Momeni, A.  
2023
- **Commentary on: Postoperative Mechanomodulation Decreases T-Junction Dehiscence After Reduction Mammoplasty: Early Scar Analysis From a Randomized Controlled Trial.** *Aesthetic surgery journal*  
Berry, C. E., Longaker, M. T., Wan, D. C.  
2023
  - **Understanding Fibroblast Heterogeneity in Form and Function.** *Biomedicines*  
Parker, J. B., Valencia, C., Akras, D., DiIorio, S. E., Griffin, M. F., Longaker, M. T., Wan, D. C.  
2023; 11 (8)
  - **Understanding the Role of Adipocytes and Fibroblasts in Cancer.** *Annals of plastic surgery*  
Downer, M. A., Griffin, M. F., Morgan, A. G., Parker, J. B., Li, D. J., Berry, C. E., Liang, N. E., Kameni, L., Cotterell, A. C., Akras, D., Valencia, C., Longaker, M. T., Wan, et al  
2023
  - **Complication Rates in Therapeutic Versus Prophylactic Bilateral Mastectomies: Insights From a National Database.** *Annals of plastic surgery*  
Shaheen, M. S., Wan, D., Momeni, A.  
2023
  - **Medical Biology of Cancer-Associated Fibroblasts in Pancreatic Cancer.** *Biology*  
Morgan, A., Griffin, M., Kameni, L., Wan, D. C., Longaker, M. T., Norton, J. A.  
2023; 12 (8)
  - **Reduction of Tendon Fibrosis Using Galectin-3 Inhibitors.** *Plastic and reconstructive surgery*  
Spielman, A. F., Griffin, M. F., Titan, A. L., Guardino, N., Cotterell, A. C., Akras, D., Wan, D. C., Longaker, M. T.  
2023
  - **Attenuating Chronic Fibrosis: Decreasing Foreign Body Response with Acellular Dermal Matrix.** *Tissue engineering. Part B, Reviews*  
Liang, N. E., Griffin, M., Berry, C. E., Parker, J. B., Downer, M. A., Wan, D. C., Longaker, M. T.  
2023
  - **Overcoming Radiation Induced Oral Fibrosis through the Down Regulation of Wnt Signaling Using Bmp-7 Inhibitors**  
Cotterell, A. C., Griffin, M., Spielman, A., Guardino, N., Lintel, H., Abbas, D., Guo, J. L., Parker, J., Wan, D., Longaker, M. T.  
LIPPINCOTT WILLIAMS & WILKINS.2023: S90
  - **Topical Vanadate Improves Excisional Wound Healing in Murine Model**  
Lintel, H., Abbas, D., Mackay, D. D., Griffin, M., Spielman, A., Guardino, N., Churukian, A., Guo, J. L., Longaker, M. T., Wan, D. C.  
LIPPINCOTT WILLIAMS & WILKINS.2023: S91
  - **Lineage Tracing Reveals Adipocytes Are Responsible for Muscle Fibrosis Following Nerve Injury**  
Spielman, A., Griffin, M., Cotterell, A. C., Erich, K., Guo, B. L., Abbas, D., Parker, J. L., Lintel, H., Wan, D. C., Longaker, M. T.  
LIPPINCOTT WILLIAMS & WILKINS.2023: S92
  - **Developing a Mouse Model to Evaluate Tibial Distraction Osteogenesis**  
DiIorio, S., Tevlin, R., Shah, H. N., Salhotra, A., Griffin, M., Januszyk, M., Wan, D. C., Longaker, M. T.  
LIPPINCOTT WILLIAMS & WILKINS.2023: S90
  - **Radiation Injury Genetically Alters Fibroblast Subpopulations to Induce Fibrosis**  
Abbas, D., Griffin, M., Guo, J. L., Lavin, C. V., Fahy, E. J., Guardino, N. J., Lintel, H., Januszyk, M., Longaker, M. T., Wan, D. C.  
LIPPINCOTT WILLIAMS & WILKINS.2023: S94
  - **Radiation Injury Therapy with Transdermal Deferoxamine Patch is Dose Dependent**  
Abbas, D., Griffin, M., Lavin, C. V., Fahy, E. J., Lintel, H., Guardino, N. J., Guo, J. L., Longaker, M. T., Wan, D. C.  
LIPPINCOTT WILLIAMS & WILKINS.2023: S91
  - **The effects of mechanical force on fibroblast behavior in cutaneous injury.** *Frontiers in surgery*  
Berry, C. E., Downer, M., Morgan, A. G., Griffin, M., Liang, N. E., Kameni, L., Laufey Parker, J. B., Guo, J., Longaker, M. T., Wan, D. C.  
2023; 10: 1167067

- **Combination of Distinct Vascular Stem/Progenitor Cells for Neovascularization and Ischemic Rescue.** *Arteriosclerosis, thrombosis, and vascular biology*  
Zhao, L., Lee, A. S., Sasagawa, K., Sokol, J., Wang, Y., Ransom, R. C., Zhao, X., Ma, C., Steininger, H. M., Koepke, L. S., Borrelli, M. R., Brewer, R. E., Lee, et al  
2023
- **Nipple-areola-complex preservation and obesity-Successful in stages.** *Microsurgery*  
Daly, L., Tsai, J., Stone, K., Wapnir, I., Karin, M., Wan, D., Momeni, A.  
2023
- **Establishing a xenograft model with CD-1 nude mice to study human skin wound repair.** *Plastic and reconstructive surgery*  
Abbas, D. B., Griffin, M., Fahy, E. J., Spielman, A. F., Guardino, N. J., Pu, A., Lintel, H., Lorenz, H. P., Longaker, M. T., Wan, D. C.  
2023
- **Denervation during mandibular distraction osteogenesis results in impaired bone formation.** *Scientific reports*  
Tevlin, R., Griffin, M., Chen, K., Januszyk, M., Guardino, N., Spielman, A., Walters, S., Gold, G. E., Chan, C. K., Gurtner, G. C., Wan, D. C., Longaker, M. T.  
2023; 13 (1): 2097
- **An Inexpensive 3D Printed Mouse Model of Successful, Complication-free Long Bone Distraction Osteogenesis.** *Plastic and reconstructive surgery. Global open*  
Tevlin, R., Shah, H. N., Salhotra, A., Di Iorio, S. E., Griffin, M., Januszyk, M., Wan, D. C., Longaker, M. T.  
2023; 11 (2): e4674
- **Chelating the valley of death: Deferoxamine's path from bench to wound clinic.** *Frontiers in medicine*  
Parker, J. B., Griffin, M. F., Downer, M. A., Akras, D., Berry, C. E., Cotterell, A. C., Gurtner, G. C., Longaker, M. T., Wan, D. C.  
2023; 10: 1015711
- **Multiplexed evaluation of mouse wound tissue using oligonucleotide barcoding with single-cell RNA sequencing.** *STAR protocols*  
Januszyk, M., Griffin, M., Mascharak, S., Talbott, H. E., Chen, K., Henn, D., Spielman, A. F., Parker, J. B., Liang, N. E., Cotterell, A., Guardino, N., Foster, D. S., Wagh, et al  
2022; 4 (1): 101946
- **Topical vanadate improves tensile strength and alters collagen organization of excisional wounds in a mouse model.** *Wound repair and regeneration : official publication of the Wound Healing Society [and] the European Tissue Repair Society*  
Lintel, H., Abbas, D. B., Mackay, D. J., Griffin, M., Lavin, C. V., Berry, C. E., Guardino, N. J., Guo, J. L., Momeni, A., Mackay, D. R., Longaker, M. T., Wan, D. C.  
2022
- **Investigating the Severity of Complications following Nipple-sparing Mastectomy and Immediate Prepectoral Implant-based vs. Autologous Reconstruction - A Single-Surgeon Experience.** *Plastic and reconstructive surgery*  
Pedreira, R., Tevlin, R., Griffin, M., Wan, D., Momeni, A.  
2022
- **Adipose-Derived Stromal Cell-based Therapies for Radiation-Induced Fibrosis.** *Advances in wound care*  
Berry, C., Abbas, D. B., Lintel, H., Churukian, A., Griffin, M., Guo, J., Cotterell, A. C., Parker, J., Downer, M. A., Longaker, M. T., Wan, D. C.  
2022
- **Reversal of Senescence in Skin-derived Fibroblasts Using Exogenous Mechanical Stimulation**  
Guo, J. L., Griffin, M., Guardino, N. J., Chen, K., Cotterell, A. C., Abbas, D., Spielman, A., Lintel, H., Wan, D. C., Longaker, M. T.  
LIPPINCOTT WILLIAMS & WILKINS.2022: S70
- **Inhibition of Yes-Associated Protein Promotes Skin Wound Regeneration in Large Animals**  
Januszyk, M., Talbott, H. E., Griffin, M., Guardino, N., Spielman, A., Guo, J. L., Mascharak, S., Wan, D. C., Longaker, M. T.  
LIPPINCOTT WILLIAMS & WILKINS.2022: S196
- **Denervation During Mouse and Human Mandibular Distraction Osteogenesis Results in Impaired Osteogenesis**  
Tevlin, R., Griffin, M., Chen, K., Januszyk, M., Wan, D. C., Longaker, M. T.  
LIPPINCOTT WILLIAMS & WILKINS.2022: S202
- **Adipocytes the Forgotten Culprit in Skin Fibrosis: Exploring the Mechanism of Fat Driven Skin Fibrosis**  
Griffin, M., Guardino, N., Spielman, A. F., Mascharak, S., Parker, J. L., Guo, J. L., Abbas, D., Wan, D. C., Bauer-Rowe, K. E., Longaker, M. T.  
LIPPINCOTT WILLIAMS & WILKINS.2022: S199

- **Adipocyte Progenitor Cells Embedded in Collagen Gels Accelerate Bone Formation in a Murine Calvarial Critical Defect Model**  
Cotterell, A. C., Griffin, M., Guardino, N., Spielman, A. F., Lintel, H., Abbas, D., Guo, J. L., Parker, J. L., Wan, D. C., Longaker, M. T.  
LIPPINCOTT WILLIAMS & WILKINS.2022: S198-S199
- **Transdermal Deferoxamine Improves Acute Wound Healing in Chronic Irradiated Skin in a Mouse Model**  
Lintel, H., Abbas, D., Lavin, C., Griffin, M., Guo, J. L., Guardino, N., Churukian, A., Chen, K., Longaker, M. T., Wan, D. C.  
LIPPINCOTT WILLIAMS & WILKINS.2022: S211-S212
- **Fibroblast Subpopulations Are Modified with Fat Grafting to Treat Radiation-Induced Fibrosis**  
Abbas, D. B., Guo, J. L., Griffin, M., Lintel, H., Guardino, N. J., Berry, C. E., Pu, A., Longaker, M. T., Wan, D. C.  
LIPPINCOTT WILLIAMS & WILKINS.2022: S202-S203
- **Semantics Matter: Cheiloschisis Web-Based Information Differs from Cleft Lip**  
Abbas, D. B., Lintel, H., Guardino, N. J., Griffin, M., Guo, J. L., Cotterell, A. C., Spielman, A. F., Parker, J. L., Longaker, M. T., Wan, D. C.  
LIPPINCOTT WILLIAMS & WILKINS.2022: S209
- **Multi-Modal Analysis of Cell Populations and Architectural States Mediating the Progression and Resolution of Pulmonary Fibrosis**  
Guo, J. L., Griffin, M., Guardino, N. J., Abbas, D., Lu, J., Spielman, A., Lintel, H., Cotterell, A. C., Wan, D. C., Longaker, M. T.  
LIPPINCOTT WILLIAMS & WILKINS.2022: S82
- **Engrafted-Positive Fibroblasts: The Primary Cell Type Present in Fibrotic Capsules During Foreign Body Response**  
Parker, J. B., Griffin, M., Mascharak, S., Spielman, A., Cotterell, A. C., Abbas, D., Lintel, H., Januszyk, M., Wan, D. C., Longaker, M. T.  
LIPPINCOTT WILLIAMS & WILKINS.2022: S68
- **Multionic analysis reveals conservation of cancer-associated fibroblast phenotypes across species and tissue of origin.** *Cancer cell*  
Foster, D. S., Januszyk, M., Delitto, D., Yost, K. E., Griffin, M., Guo, J., Guardino, N., Delitto, A. E., Chinta, M., Burcham, A. R., Nguyen, A. T., Bauer-Rowe, K. E., Titan, et al  
2022
- **Consensus on the Clinical Management of Chronic Radiation Dermatitis and Radiation Fibrosis: A Delphi Survey.** *The British journal of dermatology*  
Wilson, B. N., Shah, R., Menzer, C., Aleisa, A., Sun, M. D., Kwong, B. Y., Kaffenberger, B. H., Seminario-Vidal, L., Barker, C. A., Stubblefield, M. D., Romesser, P. B., Fabbrocini, G., Alam, et al  
2022
- **Wound healing, fibroblast heterogeneity, and fibrosis.** *Cell stem cell*  
Talbot, H. E., Mascharak, S., Griffin, M., Wan, D. C., Longaker, M. T.  
2022; 29 (8): 1161-1180
- **Exploring the Overlooked Roles and Mechanisms of Fibroblasts in the Foreign Body Response.** *Advances in wound care*  
Parker, J., Griffin, M., Spielman, A. F., Wan, D. C., Longaker, M. T.  
2022
- **Transdermal deferoxamine administration improves excisional wound healing in chronically irradiated murine skin.** *Journal of translational medicine*  
Lintel, H., Abbas, D. B., Lavin, C. V., Griffin, M., Guo, J. L., Guardino, N., Churukian, A., Gurtner, G. C., Momeni, A., Longaker, M. T., Wan, D. C.  
2022; 20 (1): 274
- **Profibrotic Signaling Pathways and Surface Markers Are Upregulated in Fibroblasts of Human Striae Distensae and in a Mouse Model System.** *Plastic and reconstructive surgery*  
Borrelli, M. R., Griffin, M., Chen, K., Diaz, N. M., Adem, S., Mascharak, S., Shen, A. H., Ngaage, L. M., Lewis, N., Longaker, M. T., Gurtner, G., Wan, D. C., Lorenz, et al  
2022
- **Beyond the Scar: A Basic Science Review of Wound Remodeling.** *Advances in wound care*  
Spielman, A. F., Griffin, M., Parker, J., Cotterell, A. C., Wan, D. C., Longaker, M. T.  
2022
- **Response to: Vitamin E Improves Volumetry and Regenerative Effects of Fat Grafting.** *Aesthetic surgery journal*  
Abbas, D. B., Wan, D. C.  
2022

- **Fat Grafts Augmented With Vitamin E Improve Volume Retention and Radiation-Induced Fibrosis.** *Aesthetic surgery journal*  
Abbas, D. B., Lavin, C. V., Fahy, E. J., Griffin, M., Guardino, N. J., Nazerali, R. S., Nguyen, D. H., Momeni, A., Longaker, M. T., Wan, D. C.  
2022
- **Surgical Applications of Materials Engineered with Antimicrobial Properties.** *Bioengineering (Basel, Switzerland)*  
Perrault, D. P., Sharma, A., Kim, J. F., Gurtner, G. C., Wan, D. C.  
2022; 9 (4)
- **Tension offloading improves cutaneous scar formation in Achilles tendon repair.** *Journal of surgical case reports*  
Abbas, D. B., Lintel, H., Griffin, M., Guardino, N. J., Guo, J. L., Spielman, A. F., Cotterell, A. C., Parker, J. B., Januszzyk, M., Wan, D. C.  
2022; 2022 (3): rjac066
- **Overcoming Radiation Induced Oral Fibrosis Through The Down Regulation Of WNT Signaling Using BMP-7 Inhibitors**  
Guardino, N., Griffin, M., Spielman, A. F., Abbas, D. B., King, M., Parker, J., Wan, D., Longaker, M. T.  
WILEY.2022: A5
- **Adipocytes Transition To Pro-Fibrotic Fibroblasts And Contribute To Muscle Fibrosis Following Nerve Injury**  
Spielman, A. F., Griffin, M., Guardino, N., desJardins-Park, H. E., Bauer-Rowe, K. E., Guo, J. L., Parker, J., Abbas, D. B., Wan, D., Longaker, M. T.  
WILEY.2022: A3-A4
- **Vitamin E Treated Fat Grafts Demonstrate Improved Volume Retention And Decreased Radiation-Induced Fibrosis**  
Abbas, D. B., Lavin, C. V., Fahy, E. J., Lintel, H., Griffin, M., Nazerali, R., Dung Nguyen, Momeni, A., Longaker, M. T., Wan, D.  
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