

# W Dean

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## Profile

Innovative leader with experience in medical product development, clinical practice, and clinical research oversight. Strong ability to coordinate large, complex projects, to develop collaborators, to nurture important stakeholder relationships, and to lead diverse, dispersed teams. In-depth understanding of product development, start-up challenges, government agencies, and Department of Defense acquisition.

## Experience

### Medical Advisor

1/2011 - Present

*Tissue Injury and Regenerative Medicine Program Management Office*

*US Army Medical Research and Materiel Command*

Fort Detrick, MD

Product development oversight and subject matter expert from preparation of regulatory submission through FDA licensing for a \$300M portfolio of Department of Defense (DoD) funded regenerative medicine research programs.

- Medical advisor for militarily relevant research focus areas, encompassing multiple specialties: plastic surgery, orthopedics, craniomaxillofacial surgery, burn surgery, urology, microsurgery, and immunology.
- Oversight of 22 concurrently running clinical trials, and 15 clinical trials in development.
  - Knowledge of biomedical research, product development, and regulatory compliance to anticipate and address the challenges of products in early human trials.

### Program Manager

8/2010 - 1/2011

*Rutgers University Center for Military Biomaterials Research (CeMBR)*

New Brunswick, NJ

### COO Management Team

1/2010 - 1/2011

*Rutgers Cleveland Clinic Consortium (RCCC) of the Armed Forces Institute of Regenerative Medicine (AFIRM)*

Piscataway, NJ

## Clinical Experience

### Solo Private Practice

6/2000 - 5/2010

Lebanon and Enfield, NH, Carlisle, PA

- General adult psychiatry practice in a rural college community.
- Adjunct faculty in the Department of Psychiatry at Dartmouth Medical School.

### Director, Acute Psychiatry Service

10/1999 - 8/2000

*Rhode Island Hospital*

Providence, RI

- Established an emergency psychiatric evaluation service for a large, academic general hospital.
- Worked in close collaboration with physicians in one of the ten busiest emergency departments in the country.

**Emergency Room Physician** 7/1993 - 10/1996  
Newport, VT and St. Johnsbury, VT

- Served the population of small industrial and farming communities in rural Vermont.

## Education

**Doctor of Medicine** 1991  
*University of Massachusetts Medical School*  
Worcester, MA

**Bachelor of Arts, Cum Laude** 1987  
*Smith College*  
Northampton, MA

## Residency Training

**Psychiatry** 1996 - 1999  
*Dartmouth Hitchcock Medical Center*  
Lebanon, NH

**General Surgery** 1991 - 1994  
*Dartmouth Hitchcock Medical Center*  
Lebanon, NH

## Publications

**Dean, W**, Randolph, BJ. Vascularized Composite Allotransplantation: Military Interest for Wounded Service Members. *Current Transplantation Reports*. 2015; 2(3): 290-296. [\[Link\]](#)

**Dean, W**. The Armed Forces Institute of Regenerative Medicine: A Collaborative Approach to Department of Defense-Relevant Research. *Regenerative Medicine*. (2011) 6(6 suppl.), 71–74. [\[Link\]](#)

Macedonia, CM, Rosen, JM, **Dean WK**. Virtual Valley Forge: A Revolutionary Hospital Concept. *Military Medicine*. 2011 Apr;176(4):357-8. [\[Link\]](#)

Brunette, M, **Dean, W**. Community mental health care for women with severe mental illness who are parents. *Community Mental Health Journal*. 2002 Apr;38(2):153-65. [\[Link\]](#)

**Brown W**, Rosen J, Satava R. Virtual reality and surgical training: simulating the future. *Minimally Invasive Therapy*: 1994;3(2):81-6. [\[Link\]](#)

Medical Advisor for videotape by New Leaf Systems, Inc, Foster City, CA. *A Virtual Reality Simulation of Abdominal Surgery*. 1994.

**Brown W**, Rosen J, Satava R. Medical Applications of Virtual Reality. Recommendation to the National Academy of Science on the future of virtual reality technology. November, 1993.

## **Presentations**

*Funding Innovation: Perspectives from the Armed Forces Institute of Regenerative Medicine.* Dartmouth College, Thayer School of Engineering, Hanover, NH. October 2011 and 2012; November 2013 and 2014.

*Trust and Ethics in Virtual Collaboration.* Translational Research in Regenerative Medicine Immersive Workshop. New Jersey Center for Biomaterials, Rutgers University, Piscataway, NJ. August 2013.

*Depression and the Menopausal Transition.* U.S. Army War College, Carlisle, PA. May 2008.

*Body Dysmorphic Disorder and Implications for Plastic Surgery.* Plastic Surgery Grand Rounds. Dartmouth Hitchcock Medical Center. May 22, 2002.

*Identification and treatment of eating disorders in the primary care setting.* Multidisciplinary grand rounds. Dartmouth Hitchcock Medical Center. January 26, 1999.

*Delirium and determination of competence.* Dartmouth Hitchcock Air Response Team. January 6, 1999.

*Telemedicine and medical applications of virtual reality.* American Society of Clinical Pathologists, New Orleans, LA. September 1995.

*Telemedicine: the answer to the rural healthcare dilemma.* Keynote speaker, Michigan Telecommunications and Rural Healthcare Conference, Cadillac, MI. November, 1994.

## **Society Memberships**

American Society for Reconstructive Transplantation. April 2012 to present.