

Biographical Data



Lyndon B. Johnson Space Center
Houston, Texas 77058

National Aeronautics and
Space Administration

NAME: Dr. Jeffrey A. Jones

TITLE: Medical Officer/Flight Surgeon/ISS Crew Surgeon

EDUCATION:

Trinity University, B.A. degree in Biology and Psychology, 1981

Baylor College of Medicine, M.D. in 1984

University of Texas Medical Branch, M.S. degree in Preventive Medicine
and Community Health, 1998

SPECIAL HONORS AND AWARDS:

NASA/JSC FLIGHT SURGEON/MEDICAL OFFICER

- Group Merit Award- NASA/JSC: Lunar Mars Life Support Test Program- 1998
- Presidential Sports Award- NASA/JSC Sports/Fitness- 1998
- NASA Individual Performance Award- 8/99
- 'Lexington Who's Who'- 9/99; NASA Individual Performance Award-2nd issuance- 9/00
- Individual Special Space Flight Achievement Award- ISS Medical Operations Lead 11/01
- Team Special Space Flight Achievement Awards- 11/01
- Expedition 1 Mission Support-Flight Control Team
- Expedition 2 Mission Support- Flight Control Team
- ISS 2 Contingency Countermeasures Development Team Acoustics Team
- NASA Individual Performance Award-3rd issuance- 7/02
- International Space Station Individual Superior Accomplishment Award- 8/02
- NASA HQs ISS Expeditionary Medicine Group Award- Accepted as Group Lead- 9/02
- Group Achievement Award- ISS Medical Data Management Team- 9/02
- Team Achievement Award- Expedition 5 Ultrasound Medical Activation and Checkout- 11/02
- Group Achievement Award- Expedition 5 Medical Support – 1/03
- Special Spaceflight Achievement Award- Expedition 5 Medical Operations- 6/03

CURRENT ASSIGNMENT:

NASA-JOHNSON SPACE CENTER:

Lead Medical Operations, International Space Station

ISS and STS Crew Surgeon

Flight Surgeon and Surgical Specialty Consultant- Flight Medicine Clinic

Operational Research Co-Investigator: Telemedicine and directed Diagnostic and Therapeutic Ultrasound in Microgravity, Renal Stone Risk Countermeasures Development for International Space Station, Upper Extremity Strength and Endurance and Injury Countermeasures for Extra-vehicular

Activities, Supplemental Medical Objective- Use of bisphosphonates as a Countermeasure to Space Flight Induced Bone Loss.

EXPERIENCE:

1998 Board Certified in Aerospace/ Preventive Medicine
 1995-1996 Associate Professor, Chief Adult Urology, Director of Urologic Oncology, Department of Surgery, Texas Tech University Health Sciences Center
 1994-1997 Urology Section Head, Department of Surgery, Fleet Hospital 21, USNR
 1994-1996 Principal Investigator, Southwest Oncology Group - UCOP, TTUHSC/ Genitourinary Committee Member
 1994-1996 Associate Medical Director/Surgical Services-Southwest Cancer Center, University Medical Center Hospital, Lubbock Texas
 1994-1996 Director Urologic Oncology Program- UMC Hospital, Lubbock TX; Cancer Liaison of the American College of Surgeons Commission on Cancer for University Medical Center Hospital
 1994-1996 Assistant Professor, Chief Adult Urology, Director of Urologic Oncology, Department of Surgery, Texas Tech University HSC
 1985-1986 Extracorporeal Shock Wave Lithotripsy Program Regional Director and Instructor/Quality Assurance Monitor-UMC Hospital, Lubbock, TX
 1992-1994 Chief of the Division of Urology, Department of Surgery Texas Tech University Health Sciences Center; Fellow of the American College of Surgeons
 1992 Board Certified in Urologic Surgery
 1991-1992 AFUD Scholar/Research Fellow- Urologic Oncology; Clinical Assistant Professor Dept. of Urology Indiana University
 1990-1991 Chief Resident in Urology Indiana University Hospitals Indianapolis, IN
 1989-1990 Senior Resident in Urology Indiana University Hospitals Indianapolis, IN
 1988-1989 Intermediate Resident in Urology Chief Resident in Pediatric Urology Indiana University Hospitals Indianapolis, IN
 1987-1988 Junior Resident in Urology, Indiana University Hospitals Indianapolis, IN
 1986-1987 Junior Resident in General Surgery, Indiana University Hospitals Indianapolis, IN
 1985-1986 Internship in General Surgery Indiana University Hospitals Indianapolis, IN

Prior Research:

- 1979-1980 Thorman Cancer Research Lab- San Antonio, TX; advisors Rex Moyer, Ph.D.; Mary Pat Moyer Ph.D. "Effects of cis-retinoic Acid, Ascorbic Acid +/- cytoxan on ascitic tumor metastasis and survival in Dung lethargic mice."
- 1981 Dept Otolaryngology, University of Texas Medical Branch- Galveston, TX; advisors Avrim Eden, MD; Manning Correa, Ph.D., Adrian Perachio, Ph.D. "Mapping the pigeon vestibular efferent system"
- 1983-1984 Urology, Baylor College of Medicine- Houston, TX; advisors Roy Smith, Ph.D., Peter Scardino, MD "Ras oncogene mutations in human prostate cancer"
- 1985 Dept Surgery, Baylor College of Medicine- Houston, TX advisors George Noon, MD, H. David Short, MD, in lab of Michael DeBakey, MD "Impact of autologous preoperative plateletpheresis on cardiac surgery blood loss" "Computer Database Development and Analysis of BCM Renal Transplant Program" "Heart-

Lung model for 37°C. preservation of cardiac allografts", "Spectral analysis of rheologic parameters in AV conduit thrombogenesis"

- 1988-1989 Research Fellowship at Eli Lilly & Co., Endocrinology/ Cell and Molecular Biology- Indianapolis, IN; under Kenneth Hirsch, Ph.D., Chris Vlahos. Ph.D. "Role of growth factors in the pathogenesis of BPH, Prostate neoplasia"
- 1991-1992 Indiana University/ Eli Lilly & Co., Dept. of Cancer Research Laboratory Director of Independent Lab-Urologic Neoplasia- "Growth factor induced signal transduction and early gene expression in prostate hyperplasia and neoplasia", "Adjunct prognostic factors in early stage testes cancer-determination of proliferative index, image analysis, PCNA expression", "Linkage analysis of patients with familial patterns of testes cancer"
- 1992-1996 Texas Tech University Health Sciences Center: Clinical: Anthra Pharmaceutical- AD32 Phase II Study in Bladder Carcinoma-In-Situ; Applied Immune Science- Tumor Infiltrating Lymphocytes in Advanced Renal Cell Carcinoma; closed for enrollment 1996; Telemedicine Hardware Evaluation Team for TDCJ remote site consultation; Basic Science: Director of Giles McCrary Genitourinary Cancer Research Laboratory-TTUHSC "Regulation of Growth Factor and Cytokine-Induced Signal Transduction in Prostate Neoplasia", "Dialysis via Continent Urinary Reservoir in the Porcine Model", "Monoclonal Antibody-Cytotoxic Conjugates in Prostate Cancer Therapy", "Collaborative Dept project with Darryl Bornhoff, Ph.D.-Cancer diagnostic imaging by 3-dimensional spectroscopy".

Military Assignment:

- Executive Officer- Marine Air Group 41, Flight Surgeon- VMFA-112 F/A-18 squadron, Naval Air Station Carswell, Ft. Worth, TX
- Flight Surgeon, attached- 147th Medical Squadron, 111th F-16 Fighter Squadron, Texas Air National Guard

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February 2004