



Michael Reed Barratt

It gives me great honor to write this citation for Dr. Michael Reed Barratt to support his Honorary Membership of the European Society of Intensive Care Medicine.

Born on April 16, 1959 in Vancouver, Washington Dr. Barratt considers Camas, Washington, to be his home town. He is married to Michelle Lynne Sasyniuk and they have five children. Dr. Barratt's personal and recreational interests include writing, sailing, boat restoration and maintenance, family and church activities.

In 1977 he graduated from Camas High School, Camas, WA and obtained a bachelor of Science in Zoology from the University of Washington in 1981. Dr Barratt graduated as a Doctor of Medicine (M.D.) from Northwestern University in 1985. He completed a three-year residency in Internal Medicine at Northwestern University in 1988 and a Chief Residency year at the Veterans' Administration Lakeside Hospital in Chicago in 1989. Afterwards, he completed his residency and Master's programme in Aerospace Medicine at Wright State University in 1991. Dr. Barratt is a board certified Internal and Aerospace Medicine physician.

Dr. Barratt went to NASA JSC in May 1991, where he was employed as a project physician with KRUG Life Sciences, working on medical systems for Space Station Freedom. In July 1992, he was assigned as NASA Flight Surgeon, working in Space Shuttle Medical Operations.

In January 1994, he was assigned to the joint U.S./Russian Shuttle - Mir Programme, working and training extensively in the Cosmonaut Training Center, Star City, Russia, in support of the Mir-18/STS-71 and subsequent missions.

From July 1995 to July 1998, he served as Medical Operations Lead for the International Space Station (ISS). A frequent traveller to Russia, he worked with counterparts at the Gagarin Cosmonaut Training Center and Institute of Biomedical Problems, as well as other international partner centres. Dr. Barratt served as lead crew surgeon for the first expedition crew to ISS from July 1998, until he was selected as an astronaut.

Dr. Barratt serves as Associate Editor for Space Medicine for the journal, *Aerospace Medicine and Human Performance* and is senior editor of the textbook, *Principles of Clinical Medicine for Space Flight*.

Selected as a mission specialist by NASA in July 2000, Dr. Barratt reported for training in August 2000. Following the completion of two years training and evaluation, he was assigned technical duties in the Astronaut Office Station Operations Branch.

Assigned to long duration flight training in 2005, Dr. Barratt took part in two expeditions:

Expedition 19/20 (March 26, 2009 to October 11, 2009): Dr. Barratt was Flight Engineer on Soyuz TMA-14 at the station on March 26, 2009. During this period, the station underwent a transition from three to six permanent station crew members, two spacewalks, two visiting space shuttles and the arrival of the first Japanese H-II Transfer Vehicle (HTV). Dr. Barratt performed two spacewalks in the Russian Orlan suit and participated in further station construction and onboard experiments. After completing 199 days in space, he landed on October 11, 2009.

STS-133 (February 24 to March 9, 2011): Dr. Barratt served as Mission Specialist on the STS-133, the 39th and final mission for Space Shuttle Discovery. He served as lead for Rendezvous and Station Robotics. During the 13-day flight, the Discovery crew delivered the Permanent Multipurpose Module (PMM) and the fourth Express Logistics Carrier (ELC) to the station. The mission's two spacewalks assisted in outfitting the truss of the station and completed a variety of other tasks designed to upgrade station systems. The mission was accomplished in 202 Earth orbits, travelling 5.3 million miles in 307 hours and 3 minutes.

From January 2012 to April 2013, Dr. Barratt was Manager of the Human Research Program at the NASA Johnson Space Center. This programme guides applied research oriented towards mitigating the most prominent health and performance risks associated with human spaceflight.

During his remarkable career, Dr. Barratt was awarded several recognitions: the Hubertus Strughold Award for Contributions to Space Medicine Research, 2011; the Joseph P. Kerwin Award for Advancements in Space Medicine, Aerospace Medical Association, 2010; the W. Randolph Lovelace Award (1998), Society of NASA Flight Surgeons; Melbourne W. Boynton Award (1995), American Astronautical Society; USAF Flight Surgeons Julian Ward Award (1992); Wright State University Outstanding Graduate Student, Aerospace Medicine (1991); Alpha Omega Alpha Medical Honor Society, Northwestern University Medical School, Chicago, IL (1988); Phi Beta Kappa, University of Washington, Seattle, WA (1981).

LARA PRISCO
Chair of the NEXT Committee