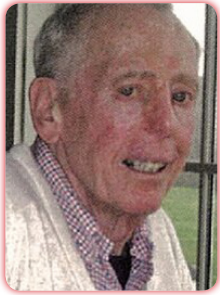


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Hypertension

Of 12 moon walkers, James Irwin on day after return from Apollo 15 mission, showed extraordinary bicycle (B) stress test (ST) hypertension (275/125) after 3 minutes exercise; supervising > 5000 maximum treadmill ST, author never witnessed ST- blood pressure approaching this level. Symptom-limited maximum B stress test showed “cyanotic fingernails”; possibly venous blood trapped peripherally, supporting author’s “Apollo 15 Space Syndrome,” postulating that severe fingertip pain during space walks, triggered by plasma fluid, trapped distally; mechanism could be related to endothelial dysfunction, providing “silent ischemia” warning. Neil Armstrong returned to Earth with severe diastolic hypertension (160/135), consistent with ischemic left ventricular dysfunction; 50 mm increase in comparison with resting BP 110/85. With inhalation of lunar dust, brought into habitat on space suit, with high lunar iron, this dust inhalation, along with reduced space flight- transferrin and antioxidant, calcium (Ca) blocker-magnesium, conducive to severe oxidative stress, Ca overload with potential endothelial injuries. Using moon walker studies as example, begs question as to whether we can apply this limited information regarding highly toxic lunar dust in formulating concept i.e. role of dust-laden urban pollution in contributing to hypertension; IRON dust from brakes may be responsible..

Biography

Dr. William J. Rowe M.D. is a board certified specialist in Internal Medicine. He received his M.D. at the University of Cincinnati and was in private practice in Toledo, Ohio for 34 years. He is a former Assistant Clinical Professor of Medicine at the University of Ohio, School of Medicine at Toledo. Of only 4 space syndromes, he has published 2: “The Apollo 15 Space Syndrome” and “Neil Armstrong Syndrome.” He published Neil Armstrong’s probable lunar acute heart failure. He has been listed in the Marquis Who’s Who of the World from 2002-2009, 2013, 2014, 2015, 2016.

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