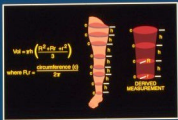




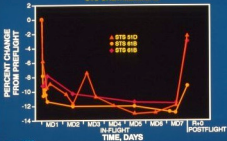
FLUID SHIFTS IN WEIGHTLESSNESS AND WEIGHTLESS SIMULATION

W. Thornton, M.D.
J. Uri, M.D.
V. Hedge
E. Coleman, Ph.D.
T. Moore, M.D.

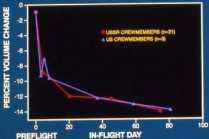
VOLUME MEASUREMENT BY LEG GIRTH



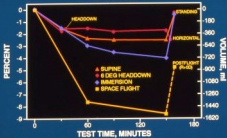
TOTAL LEG VOLUME STS CREWMEMBERS



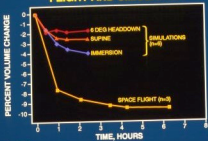
IN-FLIGHT VOLUME CHANGE OF LEGS, BELOW KNEE



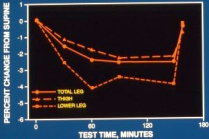
FLIGHT AND SIMULATION VOLUME CHANGE



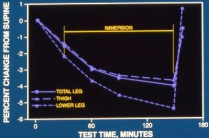
TOTAL LEG VOLUME CHANGE, FLIGHT AND SIMULATION



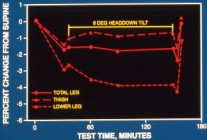
HORIZONTAL



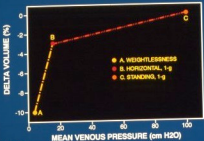
IMMERSION



6 DEG HEADDOWN TILT

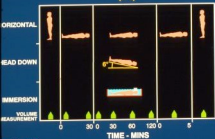


TISSUE FLUID COMPLIANCE, LEG

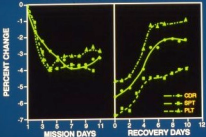


SIMULATION PROTOCOLS

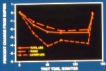
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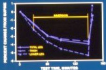
BODY WEIGHT CHANGE SL-3 INSERTION AND RECOVERY



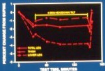
HORIZONTAL



IMMERSION



DEG HEADDOWN TILT



CHANGE IN LEFT LIMB VOLUMES SL-4 CDR

