

Dr. Berry

AGENDA

SKYLAB CARDIOVASCULAR CONSULTATION PANEL MEETING
O'Hare International Tower Motel
Chicago, Illinois
August 13, 1973

- | | | |
|------------------------|---|-------------------------|
| 9:00 a.m. | Background and Objectives | C. A. Berry, M.D. |
| 9:30 a.m. | Skylab-2 - Brief Reviews of Test Procedures and Results | |
| | A. Lower Body Negative Pressure (LBNP) | R. Johnson, M.D. |
| | B. Vectorcardiogram (VCG) | R. Smith, M.D. |
| | C. Ergometry | J. Rummel, Ph.D. |
| | D. Fluid/Electrolyte Findings | C. Leach-Huntoon, Ph.D. |
| | E. Hematological Findings | S. Kimzey, Ph.D. |
| | F. Overall Summary - Cardiovascular Effects | L. F. Dietlein, M.D. |
| 11:50 a.m. | USSR Tissue Findings | C. A. Berry, M.D. |
| 12:15 p.m. | <u>LUNCH</u> | |
| 1:00 p.m. | Questions and Discussion of Skylab-2 Findings | |
| 1:30 p.m. to 4:30 p.m. | Significant Questions Posed by Chairman on which Panel should develop a position (see attached list). | |

SIGNIFICANT questions posed by Chairman on which panel should develop a position: (see attached list):

1:30 pm What is our hypothesis of the physiological mechanisms underlying the:?

1. Tests themselves.
2. Overall cardiovascular response to flight.
3. Red cell mass response to flight.

2:00 pm What is the significance of altered response to stresses of LBNP and ergometry?

What is the value of LBNP and ergometry as predictors of:?

1. Crew's capability to continue the mission.
2. Crew status postflight.

2:30 pm What is the significance of cardiac arrhythmias, PVC's and PAC's:?

1. At rest in flight.
2. During stress testing and EVA.

3:00 pm What is our knowledge of and recommendation concerning the use of countermeasures:?

1. Inflight.
2. Postflight.

Questions cont'd:

3:40 pm Is there physiological and morphological data we should seek from animal experiments to augment our human flight data?

4:00 pm What are the criteria we should use in regards to LBNP, ergometry or other responses in making a decision to continue flight on additional increment of 7 days starting at 28-day point?

4:30 pm Adjourn.

SKYLAB CARDIOVASCULAR CONSULTATION PANEL MEETING
O'Hare International Tower Motel
Chicago, Illinois
August 13, 1973

Chairman: Charles A. Berry, M.D.
NASA Director for Life Sciences
National Aeronautics and Space
Administration
Washington, D.C. 20546
202/755-2347

Dr. Eugene Braunwald
Physician in Chief
Peter Bent Brigham Hospital
721 Huntington Avenue
Boston, MA 02115
617/734-8000 x401

Dr. Barry Brenner
Veterans Administration Hospital
San Francisco, CA
415/221-4810

Dr. Theodore Cooper
Director
National Heart and Lung Institute
Bldg. 31, Rm 5A52
Bethesda, MD 20014
202/496-5166

*Dr. John P. Hoche
1016 Hillcrest Road
Ridgewood, NJ 07450
201/652-4986 or
212/579-8421, Delafield Hospital

Dr. Herbert Hultgren
Chief of Cardiology
Veterans Administration Hospital
Medical Service
3801 Miranda Avenue
Palo Alto, CA 94304
415/493-5000 x5777

*Dr. Kenneth Hyatt
Chief, Department of Medicine (Research)
U.S. Public Health Service Hospital
15th Avenue and Lake Street
San Francisco, CA 94118
415/752-1400 x663

Dr. Dean Mason
Section of Cardiology
School of Medicine
University of California, Davis
Davis, CA 95616
916/752-2930

Dr. Scott N. Swisher
Chairman, Department of Medicine
Michigan State University
Medical School
Life Sciences Building, Rm B220
East Lansing, Michigan 48823

Dr. John T. Shepherd
Director, Research
Mayo Clinic and Foundation
200 First Street, S.W.
Rochester, MN 55901
507/282-2511 x3342

Dr. Shields Warren
Director Emeritus
Cancer Research Institute
New England Deaconess Hospital
185 Pilgrim Road
Boston, MA 02215
617/734-7000 x2401

*Investigators of Lower Body Negative Pressure (LBNP)
as countermeasure.

ADDITIONAL ATTENDEES

Office of the NASA Director of Life Sciences
National Aeronautics and Space Administration
Washington, D.C. 20546

Dr. Rufus R. Hessberg
Director of Space Medicine
202/755-2354

Dr. Sherman P. Vinograd
Director of Bioresearch
202/755-3303

Dr. Stanley C. White
Assistant Director for
Scientific Activities
202/755-2350

Office of the Director of Life Sciences
Lyndon B. Johnson Space Center
Houston, TX 77058

Mr. Richard S. Johnston
Director of Life Sciences
713/483-3503

Dr. Lawrence F. Dietlein
Deputy Director of Life Sciences
713/483-6291

Dr. Robert L. Johnson
PI for LBNP
713/483-3518

Dr. John A. Rummel
Co-PI of Metabolic Activity
713/483-5156

Dr. Carolyn Leach-Huntoon
PI of Bioassay of Body Fluids
713/483-4086

Dr. Stephen L. Kimzey
PI of Special Hematology
713/483-4086

ADDITIONAL ATTENDEES

Other Investigators

Dr. Raphael Smith, CO-PI of VCG
Vanderbilt University
School of Medicine
Nashville, TN 37203
615/322-3362

Dr. Richard Gowen
USAF Academy
Colorado Springs, Colorado