

Medical Rationale - Quality

Ch-I
G profile
G loads low For normally conditioned crew - Ascent has been tested -
Descent - Deconditioned Crewmen

Effects of weightlessness

- Ch-II
Gem. H.R.
- No ~~studies~~ directly applicable studies (Tilt table, stand tests, LBNP)
 - All studies show^{ed} marked degradation
~~1 known point is~~
 - Studies are not directly related
- BO**
- 1 Known point - pilots don't tolerate 1 G standing but OK sitting after weightlessness

Review of effects of weightlessness -

- Ch-III
Trooper
- Orthostatic adjustments
 - Increasing muscle in dependent Veins -
 - Muscle pump -
(L ↓ space)
- Ch IV
R.C. Loss
- Blood shift
 - " Loss
- Ch V - Pump
- Muscle pumping loss
- Ch VI - Compl.
- Compliance Gain
- Ch VII - Summ.
- Ch VIII
Cartoon
- Summary - Cartoon

Effects

• ~~Results~~ of Deconditioning Estimates

Ch. IX
G. Table

- Great Variation in tolerance
- Exercise; Nausea
- Time suits needed
 - 4 days or more
 - 10 + 15 days deconditioning is Max.

Suit types

Ch X ←

Summary

Ch XI