

Nov 5, 1976

SCENARIO DEVELOPMENT

MISSION: Orbiter with Spacelab  
DURATION: 7 days  
EXPERIMENTS: Life Sciences  
CREW: Commander, Pilot, MS, PS-1, PS-2  
ITEM: Medical Contingency Involving PS-2  
ITEM: Morning Status Review, 7 a.m. LST

SCENE: (Mission day 5; the MS is communicating to Mission Control)

"PS-2 reports that his throat felt a little irritated last night, and he became aware of swallowing during the sleep period because of swelling. This morning his throat is sore, but he feels okay."

Mission Control:

"We'll alert the mission surgeon to your communication and he'll be contacting you shortly."

(Mission surgeon consults with the MS and assists the MS through these procedures on a communication channel:)

Familiarization with on-board medical summary data on PS-2,  
or call up MEDICS history of PS-2.

Interrogation of PS-2 on symptoms and general health.

Interrogation on development of symptoms.

Observation of PS-2 and verification of complaint.

Judgment of environment and total crew response.

Development of detailed history of personal contact during  
premission period.

Check of available immunological data.

Measurement of vital signs.

Abbreviated physical exam, ENT emphasis.

Determination of medical kit items aboard which are potentially  
useful in alleviation of symptom and therapy.

Arrive at diagnosis, severity, and plan for treatment, isolation, duty, etc.  
Inform ground on findings and intentions.  
Plan alternative treatment if symptoms or response remain unfavorable.  
Brief PS-2 on management of his illness.  
Schedule afternoon review and update.  
With Flight Director and TOT, work task-sharing to assist PS-2 and perform catch-up or deletion of missed work.  
Enter data.

TIME: 8 hours later (Day 5)

SCENE: MS reports PS-2's condition to mission surgeon.

Mission surgeon gets updated observations by MS and TV view\* of the throat (infected, white pustules in tonsillar area of throat). Mission surgeon elects to withhold medication and calls for review during nightly medical review.

PS-2 takes 500 mg ampicillin without consulting the MS.  
Enter data.

TIME: 7 hours later, Day 5 night medical reviews.

SCENE: MS reports PS-2's condition to mission surgeon.

Throat complaint unchanged. MS visualizes throat, reports throat inflamed, infected, with unresolved pus.  
Enter data

TIME: Morning status, review, Day 6, 7 a.m. LST

SCENE: MS reports PS-2's condition to mission surgeon. PS-2 feels okay, has some intestinal cramping and had a loose bowel movement. Throat feels better. MS ascribes the intestinal disorder

\* If facilities available in Spacelab or Orbiter simulator.

(PS-2 - Sore Throat)

the now-confessed self-medication(ampicillin). PS-2 agrees to discontinue ampicillin and starts penicillin per the mission surgeon's advice and records the medication.

Enter data.

TIME: Night medical review, Day 6

SCENE: PS-2 reports slight intestinal discomfort, throat complaint persists, but mild.

Enter data .

TIME: Morning status review, Day 7

PS-2 reports no intestinal discomfort, minimal throat complaint. Mission surgeon refers record to KSC Flight Medicine for use upon recovery of PS-2.

Enter data.