# 15334 COMPETITIVE PROBLEMS IN THE DRUG INDUSTRY

5. Sol B. Stern, Jr., M.D., New Orleans, Louisiana

6. D. R. Hollingsworth, M.D., West Haven, Connecticut

In summary, then, we have 6 out of 7 well-controlled studies that do not support the efficacy of fenfluramine in this dose when given as an adjunct in a weight-reducing program. The data cannot be considered adequate.

Conclusion: The application is incomplete and not approvable.

### RECOMMENDATIONS

The firm perform two more well-controlled studies, using the above-suggested guideline criteria. One study would use the dose of 40 mgs 3 times a day. The other study would use 30 mgs 3 times a day. Each dose regime is to be double-blind, randomized, using a placebo. This should measure the ability of fenflur-amine to reduce the desire for eating when subjects are placed on a low calorie diet. The claim that fenfluramine is less stimulating to the central nervous system than the amphetamines is justified and should be included in the labeling.

Perhaps a combination of fenfluramine and amphetamines would be worth

studying.

James M. Moser, Jr., M.D., Division of Neuropharmacological Drugs.

### MEDICAL OFFICER'S REVIEW OF NDA 16-618

DECEMBER 29, 1969.

Product: Fenfluramine. Trade name: Ponderex.

Sponsor: A. H. Robins Co., Richmond, Va.

#### ADDENDUM

The firm has submitted an amendment to their new drug application dated November 25, 1969. This material contains the results of clinical studies by eight different investigators, all of whom evaluated the appetite suppressant effect of Fenfluramine Hydrochloride according to the same study plan.

The amendment also contains a revised package insert.

## LIST OF INVESTIGATORS

1. Study No. 2536

Herbert L. Fred, M.D., Ben Taub General Hospital, Texas Medical Center, Houston, Texas.

2. Study No. 2537

Gilbert C. Gremmel, M.D., 7702 Louis Pasteur Drive, San Antonio, Texas.

3. Study No. 2538

Raymond S. Gutin, M.D., 955 Pennsylvania Street, Denver. Colorado.

4. Study No. 2539

John C. Esposito, M.D., 226 East Springfield Road, Springfield, Delaware County, Pennsylvania.

5. Study No. 2540

Sol B. Stern, M.D., 3600 Prytania Street, 68 Cushing Court, New Orleans, Louisiana.

6. Study No. 2541

Arthur J. Hadler, M.D., Veterans Administration, 17 Court Street, Boston, Massachusetts.

7. Study No. 2543

Antoine Gattereau, M.D., Hospital Hotel, 3840 St. Urbain, Montreal 38, Quebec, Canada.

8. Study No. 2544

Rudolph E. Noble, M.D., Director, Obesity Clinic, San Francisco Eye and Ear Hospital, 1801 Bush Street and Octavia, San Francisco, California.