

CENTER FOR DRUG EVALUATION AND RESEARCH

APPLICATION NUMBER: NDA 20180/S11

**CLINICAL PHARMACOLOGY AND
BIOPHARMACEUTICS REVIEW(S)**

51.1

AUG 6 1996

CLINICAL PHARMACOLOGY/BIOPHARMACEUTICS REVIEW

ORIGINAL

NDA: 20-180

SUBMISSION DATE:

02/15/96

Finasteride 5 mg tablets

BRAND NAME: Proscar

SPONSOR: Merck & Co., Inc

REVIEWER: Tien-Mien Chen, Ph.D.

TYPE OF SUBMISSION: Supplement to An Approved NDA
(Serial No. 011)

Code: 1P

TITLE: "Review of Revision of Labeling Based on Additional Information/Study Results"

SYNOPSIS:

Merck's Proscar (finasteride 5 mg tablets) that was filed under original NDA 20-180 on 04/15/91 was previously reviewed by the Office of Clinical Pharmacology and Biopharmaceutics/Division of Pharmaceutical Evaluation II (OCPB/DPE II) on 02/10/92. The NDA was found acceptable and approved by the Agency on 06/19/92.

On 02/15/96, the sponsor submitted an NDA supplement for a revision of package insert (PI, 02/96 version) which was based on additional information/study results. Please see the PI in Attachment 1 for details. On 07/31/96, OCPB/DPE II was consulted by HFD-580 for review of the updated pharmacokinetic (PK) information of finasteride in the revised labeling.

Under "Pharmacokinetics" Subsection of the PI, only the last (7th) paragraph was revised based on the bioanalytical reports of Protocol Nos. 056 and 065. The above study results provided new data of the effects of finasteride levels on semen production in 124 male volunteers or on testosterone and dihydrotestosterone in scalp skin and sebum of 150 male volunteers. These studies employed a more sensitive assay method. The study reports of Protocol Nos. 056 and 065 have been reviewed by the medical officer, Dr. Fourcroy on 07/08/96 and the results were found acceptable by Dr. Fourcroy. Please see a copy of Dr. Fourcroy's review in Attachment 2 for details.

RECOMMENDATION:

Merck's supplement (Serial No. 011) for NDA 20-180 (Proscar; finasteride 5 mg tablets) that was submitted on 02/15/96 has been reviewed by OCPB/DPE II. The PK information included in the revised labeling is appropriate. However, FDA is currently attempting to standardize the content and presentation of the PK information that is included in the PI. Therefore, it is recommended that the PK subsection of the PI follow the format/template given in the Comment section below and the sponsor submit the revised PI to the Agency for review when the recommended changes are made.

