

4 10-29-04

5 **Femara[®]**
6 **(letrozole tablets)**

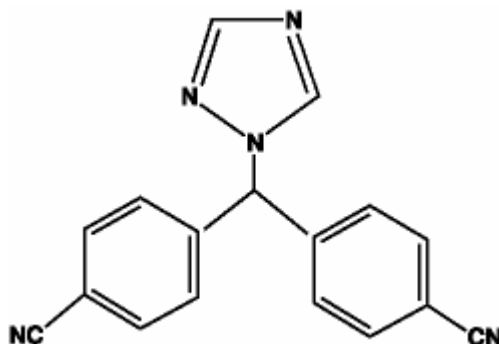
7 **2.5 mg Tablets**

8 **Rx only**

9 **Prescribing Information**

10 **DESCRIPTION**

11 Femara[®] (letrozole tablets) for oral administration contains 2.5 mg of letrozole, a nonsteroidal
12 aromatase inhibitor (inhibitor of estrogen synthesis). It is chemically described as 4,4'-(1H-
13 1,2,4-Triazol-1-ylmethylene)dibenzonitrile, and its structural formula is



14
15 Letrozole is a white to yellowish crystalline powder, practically odorless, freely
16 soluble in dichloromethane, slightly soluble in ethanol, and practically insoluble in water. It
17 has a molecular weight of 285.31, empirical formula C₁₇H₁₁N₅, and a melting range of
18 184°C-185°C.

19 Femara[®] (letrozole tablets) is available as 2.5 mg tablets for oral administration.

20 *Inactive Ingredients.* Colloidal silicon dioxide, ferric oxide, hydroxypropyl
21 methylcellulose, lactose monohydrate, magnesium stearate, maize starch, microcrystalline
22 cellulose, polyethylene glycol, sodium starch glycolate, talc, and titanium dioxide.

23 **CLINICAL PHARMACOLOGY**

24 **Mechanism of Action**

25 The growth of some cancers of the breast is stimulated or maintained by estrogens. Treatment
26 of breast cancer thought to be hormonally responsive (i.e., estrogen and/or progesterone
27 receptor positive or receptor unknown) has included a variety of efforts to decrease estrogen

28 levels (ovariectomy, adrenalectomy, hypophysectomy) or inhibit estrogen effects
29 (antiestrogens and progestational agents). These interventions lead to decreased tumor mass or
30 delayed progression of tumor growth in some women.

31 In postmenopausal women, estrogens are mainly derived from the action of the
32 aromatase enzyme, which converts adrenal androgens (primarily androstenedione and
33 testosterone) to estrone and estradiol. The suppression of estrogen biosynthesis in peripheral
34 tissues and in the cancer tissue itself can therefore be achieved by specifically inhibiting the
35 aromatase enzyme.

36 Letrozole is a nonsteroidal competitive inhibitor of the aromatase enzyme system; it
37 inhibits the conversion of androgens to estrogens. In adult nontumor- and tumor-bearing
38 female animals, letrozole is as effective as ovariectomy in reducing uterine weight, elevating
39 serum LH, and causing the regression of estrogen-dependent tumors. In contrast to
40 ovariectomy, treatment with letrozole does not lead to an increase in serum FSH. Letrozole
41 selectively inhibits gonadal steroidogenesis but has no significant effect on adrenal
42 mineralocorticoid or glucocorticoid synthesis.

43 Letrozole inhibits the aromatase enzyme by competitively binding to the heme of the
44 cytochrome P450 subunit of the enzyme, resulting in a reduction of estrogen biosynthesis in
45 all tissues. Treatment of women with letrozole significantly lowers serum estrone, estradiol
46 and estrone sulfate and has not been shown to significantly affect adrenal corticosteroid
47 synthesis, aldosterone synthesis, or synthesis of thyroid hormones.

48 **Pharmacokinetics**

49 Letrozole is rapidly and completely absorbed from the gastrointestinal tract and absorption is
50 not affected by food. It is metabolized slowly to an inactive metabolite whose glucuronide
51 conjugate is excreted renally, representing the major clearance pathway. About 90% of
52 radiolabeled letrozole is recovered in urine. Letrozole's terminal elimination half-life is about
53 2 days and steady-state plasma concentration after daily 2.5 mg dosing is reached in 2-6
54 weeks. Plasma concentrations at steady-state are 1.5 to 2 times higher than predicted from the
55 concentrations measured after a single dose, indicating a slight non-linearity in the
56 pharmacokinetics of letrozole upon daily administration of 2.5 mg. These steady-state levels
57 are maintained over extended periods, however, and continuous accumulation of letrozole
58 does not occur. Letrozole is weakly protein bound and has a large volume of distribution
59 (approximately 1.9 L/kg).

60 **Metabolism and Excretion**

61 Metabolism to a pharmacologically-inactive carbinol metabolite (4,4'-methanol-
62 bisbenzotrile) and renal excretion of the glucuronide conjugate of this metabolite is the
63 major pathway of letrozole clearance. Of the radiolabel recovered in urine, at least 75% was
64 the glucuronide of the carbinol metabolite, about 9% was two unidentified metabolites, and
65 6% was unchanged letrozole.

66 In human microsomes with specific CYP isozyme activity, CYP3A4 metabolized
67 letrozole to the carbinol metabolite while CYP2A6 formed both this metabolite and its ketone
68 analog. In human liver microsomes, letrozole strongly inhibited CYP2A6 and moderately
69 inhibited CYP2C19.

70 **Special Populations**

71 ***Pediatric, Geriatric and Race***

72 In the study populations (adults ranging in age from 35 to >80 years), no change in
73 pharmacokinetic parameters was observed with increasing age. Differences in letrozole
74 pharmacokinetics between adult and pediatric populations have not been studied. Differences
75 in letrozole pharmacokinetics due to race have not been studied.

76 ***Renal Insufficiency***

77 In a study of volunteers with varying renal function (24-hour creatinine clearance:
78 9-116 mL/min), no effect of renal function on the pharmacokinetics of single doses of 2.5 mg
79 of Femara[®] (letrozole tablets) was found. In addition, in a study of 347 patients with advanced
80 breast cancer, about half of whom received 2.5 mg Femara and half 0.5 mg Femara, renal
81 impairment (calculated creatinine clearance: 20-50 mL/min) did not affect steady-state plasma
82 letrozole concentration.

83 ***Hepatic Insufficiency***

84 In a study of subjects with mild to moderate non-metastatic hepatic dysfunction
85 (e.g., cirrhosis, Child-Pugh classification A and B), the mean AUC values of the volunteers
86 with moderate hepatic impairment were 37% higher than in normal subjects, but still within
87 the range seen in subjects without impaired function. In a pharmacokinetics study, subjects
88 with liver cirrhosis and severe hepatic impairment (Child-Pugh classification C, which
89 included bilirubins about 2-11 times ULN with minimal to severe ascites) had two-fold
90 increase in exposure (AUC) and 47% reduction in systemic clearance. Breast cancer patients
91 with severe hepatic impairment are thus expected to be exposed to higher levels of letrozole
92 than patients with normal liver function receiving similar doses of this drug. (See DOSAGE
93 AND ADMINISTRATION, Hepatic Impairment.)

94 ***Drug/Drug Interactions***

95 A pharmacokinetic interaction study with cimetidine showed no clinically significant effect on
96 letrozole pharmacokinetics. An interaction study with warfarin showed no clinically
97 significant effect of letrozole on warfarin pharmacokinetics. In *in-vitro* experiments, letrozole
98 showed no significant inhibition in the metabolism of diazepam. Similarly, no significant
99 inhibition of letrozole metabolism by diazepam was observed.

100 Coadministration of Femara and tamoxifen 20 mg daily resulted in a reduction of
101 letrozole plasma levels of 38% on average. Clinical experience in the second-line breast
102 cancer pivotal trials indicates that the therapeutic effect of Femara therapy is not impaired if
103 Femara is administered immediately after tamoxifen.

104 There is no clinical experience to date on the use of Femara in combination with other
105 anticancer agents.

106 ***Pharmacodynamics***

107 In postmenopausal patients with advanced breast cancer, daily doses of 0.1 mg to 5 mg
108 Femara suppress plasma concentrations of estradiol, estrone, and estrone sulfate by 75%-95%

109 from baseline with maximal suppression achieved within two-three days. Suppression is dose-
 110 related, with doses of 0.5 mg and higher giving many values of estrone and estrone sulfate
 111 that were below the limit of detection in the assays. Estrogen suppression was maintained
 112 throughout treatment in all patients treated at 0.5 mg or higher.

113 Letrozole is highly specific in inhibiting aromatase activity. There is no impairment of
 114 adrenal steroidogenesis. No clinically-relevant changes were found in the plasma
 115 concentrations of cortisol, aldosterone, 11-deoxycortisol, 17-hydroxy-progesterone, ACTH or
 116 in plasma renin activity among postmenopausal patients treated with a daily dose of Femara
 117 0.1 mg to 5 mg. The ACTH stimulation test performed after 6 and 12 weeks of treatment with
 118 daily doses of 0.1, 0.25, 0.5, 1, 2.5, and 5 mg did not indicate any attenuation of aldosterone
 119 or cortisol production. Glucocorticoid or mineralocorticoid supplementation is, therefore, not
 120 necessary.

121 No changes were noted in plasma concentrations of androgens (androstenedione and
 122 testosterone) among healthy postmenopausal women after 0.1, 0.5, and 2.5 mg single doses of
 123 Femara or in plasma concentrations of androstenedione among postmenopausal patients
 124 treated with daily doses of 0.1 mg to 5 mg. This indicates that the blockade of estrogen
 125 biosynthesis does not lead to accumulation of androgenic precursors. Plasma levels of LH and
 126 FSH were not affected by letrozole in patients, nor was thyroid function as evaluated by TSH
 127 levels, T3 uptake, and T4 levels.

128 **Clinical Studies**

129 **Extended Adjuvant Treatment of Early Breast Cancer in Postmenopausal Women After** 130 **Completion of 5 Years of Adjuvant Tamoxifen Therapy.**

131 A double-blind, randomized, placebo-controlled trial of Femara was performed in over 5100
 132 postmenopausal women with receptor-positive or unknown primary breast cancer who were
 133 disease-free after 5 years of adjuvant treatment with tamoxifen. Patients had to be within 3
 134 months of completing the 5 years of tamoxifen.

135 The planned duration of treatment for patients in the study was 5 years, but the trial was
 136 terminated early because of an interim analysis showing a favorable Femara effect on time
 137 without recurrence or contralateral breast cancer. At the time of unblinding, women had been
 138 followed for a median of 28 months, 30% of patients had completed 3 or more years of
 139 follow-up and less than 1% of patients had completed 5 years of follow-up.

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141 Selected baseline characteristics for the study population are shown in Table 1.

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Table 1: Selected Study Population Demographics (Modified ITT population)

| 144 Baseline Status | Femara[®] | Placebo |
|---------------------------------|---------------------------|----------------|
| 145 | N=2582 | N=2586 |
| 146 Hormone receptor status (%) | | |
| 147 ER+ and/or PgR+ | 98 | 98 |
| 148 Both unknown | 2 | 2 |
| 149 Nodal status (%) | | |
| 150 Node negative | 50 | 50 |
| 151 Node positive | 46 | 46 |

| | | | |
|-----|----------------------|----|----|
| 152 | Nodal status unknown | 4 | 4 |
| 153 | Chemotherapy | 46 | 46 |
| 154 | | | |

155 Table 2 shows the study results. Disease-free survival was measured as the time from
 156 randomization to the earliest event of loco-regional or distant recurrence of the primary
 157 disease or development of contralateral breast cancer or death. Data were premature for an
 158 analysis of survival.

159 **Table 2: Extended Adjuvant Study Results**

| | Letrozole N = 2582 | Placebo N = 2586 | Hazard Ratio (95% CI) | P-Value |
|---|-------------------------------|-----------------------------|----------------------------------|----------------|
| - | | | | |
| Disease Free Survival (DFS) (First event of loco-regional recurrence, distant relapse, contralateral breast cancer or death from any cause) | 122 (4.7%) | 193 (7.5%) | 0.62 (0.49, 0.78) ¹ | 0.00003 |
| Local breast recurrence | 9 | 22 | | |
| Local chest wall recurrence | 2 | 8 | | |
| Regional recurrence | 7 | 4 | | |
| Distant recurrence | 55 | 92 | 0.61 (0.44 - 0.84) | 0.003 |
| Contralateral breast cancer | 19 | 29 | | |
| Deaths without recurrence or contralateral breast cancer | 30 | 38 | | |
| DFS by stratification | | | | |
| Receptor status | | | | |
| - positive | 117/2527(4.6%) | 190/2530(7.5%) | 0.60(0.48,0.76) | |
| - unknown | 5/55(9.1%) | 3/56(5.4%) | 1.78(0.43,7.5) | |
| nodal status | | | | |
| - positive | 77/1184(6.5%) | 123/1187(10.4%) | 0.61(0.46,0.81) | |
| - negative | 39/1298(3.0%) | 63/1301(4.8%) | 0.61(0.41,0.91) | |
| - unknown | 6/100(6.0%) | 7/98(7.1%) | 0.81(0.27,2.4) | |
| adjuvant chemotherapy | | | | |
| - yes | 58/1197(4.8%) | 88/1199(7.3%) | 0.64(0.46,0.90) | |
| - no | 64/1385(4.6%) | 105/1387(7.6%) | 0.60(0.44,0.81) | |

CI = confidence interval for hazard ratio. Hazard ratio of less than 1.0 indicates difference in favor of letrozole (lesser risk of recurrence); hazard ratio greater than 1.0 indicates difference in favor of placebo (higher risk of recurrence with letrozole).

¹ Analysis stratified by receptor status, nodal status and prior adjuvant chemotherapy (stratification factors as at randomization). P-value based on stratified logrank test.

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161 **First-Line Breast Cancer**

162 A randomized, double-blinded, multinational trial compared Femara 2.5 mg with tamoxifen
 163 20 mg in 916 postmenopausal patients with locally advanced (Stage IIIB or locoregional
 164 recurrence not amenable to treatment with surgery or radiation) or metastatic breast cancer.
 165 Time to progression (TTP) was the primary endpoint of the trial. Selected baseline
 166 characteristics for this study are shown in Table 3.

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Table 3: Selected Study Population Demographics

| Baseline Status | Femara® N=458 | tamoxifen N=458 |
|---|------------------|--------------------|
| Stage of Disease | | |
| IIIB | 6% | 7% |
| IV | 93% | 92% |
| Receptor Status | | |
| ER and PgR Positive | 38% | 41% |
| ER or PgR Positive | 26% | 26% |
| Both Unknown | 34% | 33% |
| ER ⁻ or PgR ⁻ / Other Unknown | <1% | 0 |
| Previous Antiestrogen Therapy | | |
| Adjuvant | 19% | 18% |
| None | 81% | 82% |
| Dominant Site of Disease | | |
| Soft Tissue | 25% | 25% |
| Bone | 32% | 29% |
| Viscera | 43% | 46% |

Femara was superior to tamoxifen in TTP and rate of objective tumor response (see Table 4).

Table 4 summarizes the results of the trial, with a total median follow-up of approximately 32 months. (All analyses are unadjusted and use 2-sided P-values.)

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Table 4: Results

| | Femara® 2.5 mg N=453 | tamoxifen 20 mg N=454 | Hazard or Odds Ratio (95% CI) P-value (2-sided) |
|--|----------------------------|-----------------------------|---|
| Median Time to Progression | 9.4 months | 6.0 months | 0.72 (0.62, 0.83) ¹ P<0.0001 |
| Objective Response Rate (CR + PR) | 145 (32%) | 95 (21%) | 1.77 (1.31, 2.39) ² P=0.0002 |
| (CR) | 42 (9%) | 15 (3%) | 2.99 (1.63, 5.47) ² P=0.0004 |
| Duration of Objective Response | | | |
| Median | 18 months (N=145) | 16 months (N=95) | |
| Overall Survival | 35 months (N=458) | 32 months (N=458) | P=0.5136 ³ |

¹ Hazard ratio

² Odds ratio

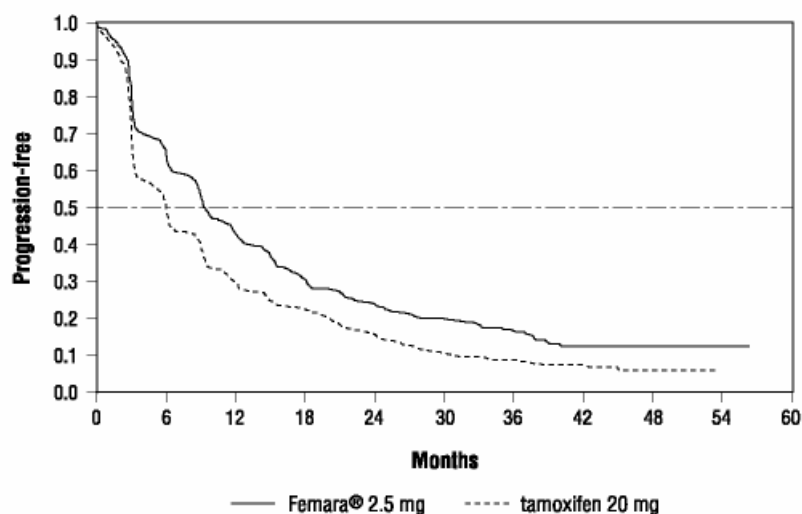
³ Overall logrank test

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214 Figure 1 shows the Kaplan-Meier curves for TTP.

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Figure 1
Kaplan-Meier Estimates of Time to Progression
(Tamoxifen Study)



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219 Table 5 shows results in the subgroup of women who had received prior antiestrogen
220 adjuvant therapy, Table 6, results by disease site and Table 7, the results by receptor status.

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222 **Table 5: Efficacy in Patients Who Received Prior**
223 **Antiestrogen Therapy**

| 224 Variable | Femara® 2.5 mg N=84 | tamoxifen 20 mg N=83 |
|------------------------------------|---------------------------|----------------------------|
| 227 Median Time to | | |
| 228 Progression (95% CI) | 8.9 months (6.2, 12.5) | 5.9 months (3.2, 6.2) |
| 229 Hazard Ratio | | |
| 230 for TTP (95% CI) | 0.60 (0.43, 0.84) | |
| 231 Objective Response Rate | | |
| 232 (CR + PR) | 22 (26%) | 7 (8%) |
| 233 Odds Ratio for | | |
| 234 Response (95% CI) | 3.85 (1.50, 9.60) | |

235 Hazard ratio less than 1 or odds ratio greater than 1 favors letrozole; hazard ratio greater than 1 or odds ratio less
236 than 1 favors tamoxifen.

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240 **Table 6: Efficacy by Disease Site**

| 241 | Femara® 2.5 mg | tamoxifen 20 mg |
|----------------------------------|-------------------|--------------------|
| 242 Dominant Disease Site | | |
| 243 Soft Tissue: | N=113 | N=115 |
| 244 Median TTP | 12.1 months | 6.4 months |
| 245 Objective Response | | |
| 246 Rate | 50% | 34% |
| 247 Bone: | N=145 | N=131 |

| | | | |
|-----|--------------------|------------|------------|
| 248 | Median TTP | 9.5 months | 6.3 months |
| 249 | Objective Response | | |
| 250 | Rate | 23% | 15% |
| 251 | Viscera: | N=195 | N=208 |
| 252 | Median TTP | 8.3 months | 4.6 months |
| 253 | Objective Response | | |
| 254 | Rate | 28% | 17% |

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Table 7: Efficacy by Receptor Status

| 258 | Variable | Femara [®] | tamoxifen |
|-----|--------------------------|------------------------|-----------------------|
| 259 | | 2.5 mg | 20 mg |
| 260 | Receptor Positive | N=294 | N=305 |
| 261 | Median Time to | | |
| 262 | Progression (95% CI) | 9.4 months (8.9, 11.8) | 6.0 months (5.1, 8.5) |
| 263 | Hazard Ratio for | | |
| 264 | TTP (95% CI) | 0.69 (0.58, 0.83) | |
| 265 | Objective Response | | |
| 266 | Rate (CR+PR) | 97 (33%) | 66 (22%) |
| 267 | Odds Ratio for Response | | |
| 268 | (95% CI) | 1.78 (1.20, 2.60) | |
| 269 | Receptor Unknown | N=159 | N=149 |
| 270 | Median Time to | | |
| 271 | Progression (95% CI) | 9.2 months (6.1, 12.3) | 6.0 months (4.1, 6.4) |
| 272 | Hazard Ratio for | | |
| 273 | TTP (95% CI) | 0.77 (0.60, 0.99) | |
| 274 | Objective Response | | |
| 275 | Rate (CR+PR) | 48 (30%) | 29 (20%) |
| 276 | Odds Ratio for Response | | |
| 277 | (95% CI) | 1.79 (1.10, 3.00) | |

278 Hazard ratio less than 1 or odds ratio greater than 1 favors letrozole; hazard ratio greater than 1 or odds ratio less
 279 than 1 favors tamoxifen.

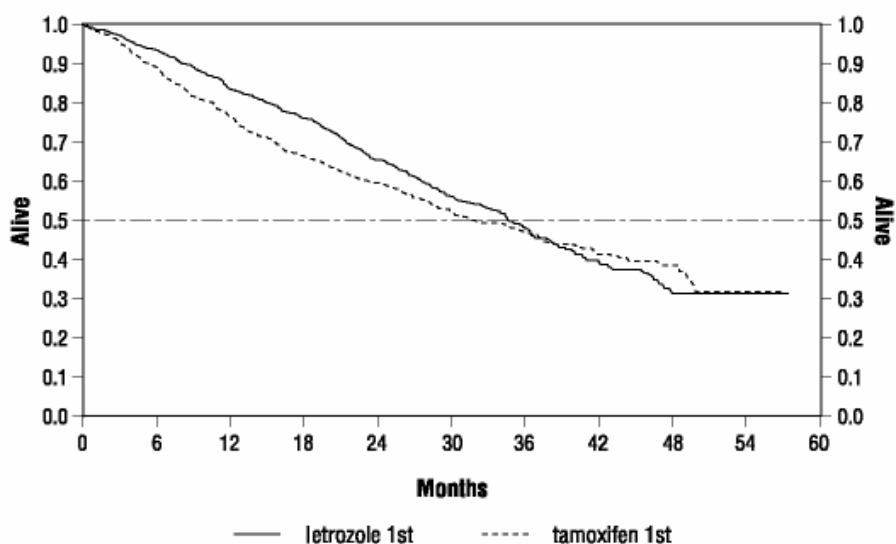
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281 Figure 2 shows the Kaplan-Meier curves for survival.

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Figure 2
Survival by Randomized Treatment Arm



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285 **Legend:** Randomized letrozole: n=458, events 57%, median overall survival 35 months (95% CI 32
286 to 38 months)

287 Randomized tamoxifen: n=458, events 57%, median overall survival 32 months (95% CI 28 to 37
288 months)

289 Overall logrank P=0.5136 (i.e., there was no significant difference between treatment arms in overall
290 survival).

291 The median overall survival was 35 months for the letrozole group and 32 months for
292 the tamoxifen group, with a P value 0.5136.

293 Study design allowed patients to crossover upon progression to the other therapy.
294 Approximately 50% of patients crossed over to the opposite treatment arm and almost all
295 patients who crossed over had done so by 36 months. The median time to crossover was 17
296 months (Femara to tamoxifen) and 13 months (tamoxifen to Femara). In patients who did not
297 crossover to the opposite treatment arm, median survival was 35 months with Femara (n=219,
298 95% CI 29 to 43 months) vs. 20 months with tamoxifen (n=229, 95% CI 16 to 26 months).

299 **Second-Line Breast Cancer**

300 Femara was initially studied at doses of 0.1 mg to 5.0 mg daily in six non-comparative Phase
301 I/II trials in 181 postmenopausal estrogen/progesterone receptor positive or unknown
302 advanced breast cancer patients previously treated with at least anti-estrogen therapy. Patients
303 had received other hormonal therapies and also may have received cytotoxic therapy. Eight
304 (20%) of forty patients treated with Femara 2.5 mg daily in Phase I/II trials achieved an
305 objective tumor response (complete or partial response).

306 Two large randomized controlled multinational (predominantly European) trials were
 307 conducted in patients with advanced breast cancer who had progressed despite antiestrogen
 308 therapy. Patients were randomized to Femara 0.5 mg daily, Femara 2.5 mg daily, or a
 309 comparator (megestrol acetate 160 mg daily in one study; and aminoglutethimide 250 mg
 310 b.i.d. with corticosteroid supplementation in the other study). In each study over 60% of the
 311 patients had received therapeutic antiestrogens, and about one-fifth of these patients had had
 312 an objective response. The megestrol acetate controlled study was double-blind; the other
 313 study was open label. Selected baseline characteristics for each study are shown in Table 10.

314 **Table 8: Selected Study Population Demographics**

| 315 Parameter | megestrol acetate | aminoglutethimide |
|--------------------------------|--------------------------|--------------------------|
| 316 | study | study |
| 317 No. of Participants | 552 | 557 |
| 318 Receptor Status | | |
| 319 ER/PR Positive | 57% | 56% |
| 320 ER/PR Unknown | 43% | 44% |
| 321 Previous Therapy | | |
| 322 Adjuvant Only | 33% | 38% |
| 323 Therapeutic +/- Adj. | 66% | 62% |
| 324 Sites of Disease | | |
| 325 Soft Tissue | 56% | 50% |
| 326 Bone | 50% | 55% |
| 327 Viscera | 40% | 44% |

328 Confirmed objective tumor response (complete response plus partial response) was the
 329 primary endpoint of the trials. Responses were measured according to the Union
 330 Internationale Contre le Cancer (UICC) criteria and verified by independent, blinded review.
 331 All responses were confirmed by a second evaluation 4-12 weeks after the documentation of
 332 the initial response.

333 Table 9 shows the results for the first trial, with a minimum follow-up of 15 months,
 334 that compared Femara 0.5 mg, Femara 2.5 mg, and megestrol acetate 160 mg daily. (All
 335 analyses are unadjusted.)

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Table 9: Megestrol Acetate Study Results

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| | Femara® 0.5 mg N=188 | Femara® 2.5 mg N=174 | megestrol acetate N=190 |
|-------------------------------------|---|-------------------------------------|---|
| Objective Response (CR + PR) | 22 (11.7%) | 41 (23.6%) | 31 (16.3%) |
| Median Duration of Response | 552 days | (Not reached) | 561 days |
| Median Time to Progression | 154 days | 170 days | 168 days |
| Median Survival | 633 days | 730 days | 659 days |
| Odds Ratio for Response | Femara 2.5: Femara 0.5 = 2.33 (95% CI: 1.32, 4.17); P=0.004* | | Femara 2.5: megestrol = 1.58 (95% CI: 0.94, 2.66); P=0.08* |
| Relative Risk of Progression | Femara 2.5: Femara 0.5 = 0.81 (95% CI: 0.63, 1.03); P=0.09* | | Femara 2.5: megestrol = 0.77 (95% CI: 0.60, 0.98), P=0.03* |

* two-sided P-value

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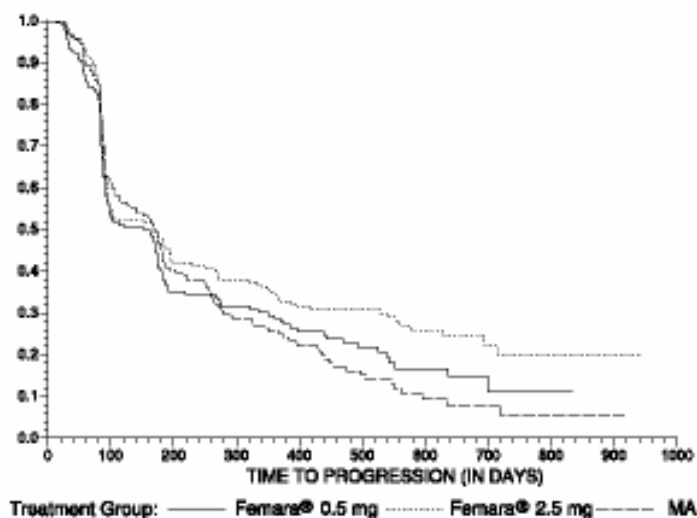
The Kaplan-Meier Curve for progression for the megestrol acetate study is shown in Figure 3.

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Figure 3
Kaplan-Meier Estimates of Time to Progression
(Megestrol Acetate Study)



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The results for the study comparing Femara to aminoglutethimide, with a minimum follow-up of nine months, are shown in Table 10. (Unadjusted analyses are used.)

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Table 10: Aminoglutethimide Study Results

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| | Femara® 0.5 mg N=193 | Femara® 2.5 mg N=185 | aminoglutethimide N=179 |
|-------------------------------------|---|-------------------------------------|--|
| Objective Response (CR + PR) | 34 (17.6%) | 34 (18.4%) | 22 (12.3%) |
| Median Duration of Response | 619 days | 706 days | 450 days |
| Median Time To Progression | 103 days | 123 days | 112 days |
| Median Survival | 636 days | 792 days | 592 days |
| Odds Ratio for Response | Femara 2.5: Femara 0.5=1.05 (95% CI: 0.62, 1.79); P=0.85* | | Femara 2.5: aminoglutethimide=1.61 (95% CI: 0.90, 2.87); P=0.11* |
| Relative Risk of Progression | Femara 2.5: Femara 0.5=0.86 (95% CI: 0.68, 1.11); P=0.25* | | Femara 2.5: aminoglutethimide=0.74 (95% CI: 0.57, 0.94), P=0.02* |

*two-sided P-value

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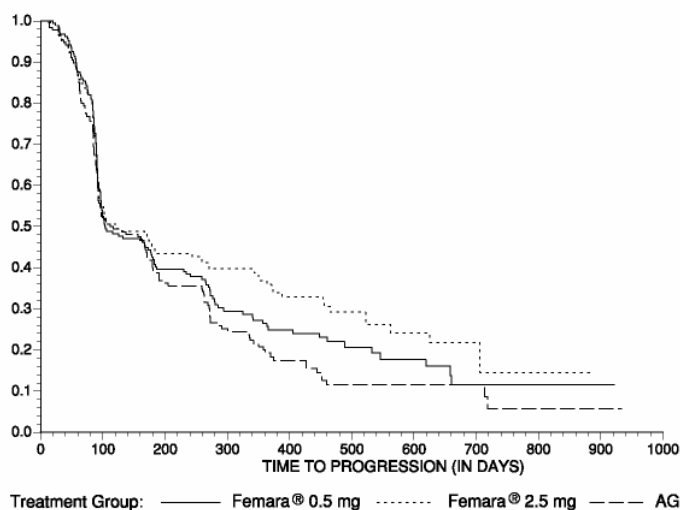
The Kaplan-Meier Curve for progression for the aminoglutethimide study is shown in Figure 4.

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Figure 4
Kaplan-Meier Estimates of Time to Progression
(Aminoglutethimide Study)



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395 **INDICATIONS AND USAGE**

396 Femara[®] (letrozole tablets) is indicated for the extended adjuvant treatment of early breast
397 cancer in postmenopausal women who have received 5 years of adjuvant tamoxifen therapy
398 (see CLINICAL STUDIES). The effectiveness of Femara in extended adjuvant treatment of
399 early breast cancer is based on an analysis of disease-free survival in patients treated for a
400 median of 24 months (see **CLINICAL PHARMACOLOGY Clinical Studies** subsection).
401 Further data will be required to determine long-term outcome.

402

403 Femara[®] (letrozole tablets) is indicated for first-line treatment of postmenopausal women with
404 hormone receptor positive or hormone receptor unknown locally advanced or metastatic
405 breast cancer. Femara is also indicated for the treatment of advanced breast cancer in
406 postmenopausal women with disease progression following antiestrogen therapy.

407 **CONTRAINDICATIONS**

408 Femara[®] (letrozole tablets) is contraindicated in patients with known hypersensitivity to
409 Femara or any of its excipients.

410 **WARNINGS**

411 **Pregnancy**

412 Letrozole may cause fetal harm when administered to pregnant women. Studies in rats at
413 doses equal to or greater than 0.003 mg/kg (about 1/100 the daily maximum recommended
414 human dose on a mg/m² basis) administered during the period of organogenesis, have shown
415 that letrozole is embryotoxic and fetotoxic, as indicated by intrauterine mortality, increased
416 resorption, increased postimplantation loss, decreased numbers of live fetuses and fetal
417 anomalies including absence and shortening of renal papilla, dilation of ureter, edema and
418 incomplete ossification of frontal skull and metatarsals. Letrozole was teratogenic in rats. A
419 0.03 mg/kg dose (about 1/10 the daily maximum recommended human dose on a mg/m²
420 basis) caused fetal domed head and cervical/centrum vertebral fusion.

421 Letrozole is embryotoxic at doses equal to or greater than 0.002 mg/kg and fetotoxic
422 when administered to rabbits at 0.02 mg/kg (about 1/100,000 and 1/10,000 the daily
423 maximum recommended human dose on a mg/m² basis, respectively). Fetal anomalies
424 included incomplete ossification of the skull, sternebrae, and fore- and hindlegs.

425 There are no studies in pregnant women. Femara[®] (letrozole tablets) is indicated for
426 postmenopausal women. If there is exposure to letrozole during pregnancy, the patient should
427 be apprised of the potential hazard to the fetus and potential risk for loss of the pregnancy.

428 **PRECAUTIONS**

429 Since fatigue and dizziness have been observed with the use of Femara[®] (letrozole tablets)
430 and somnolence was uncommonly reported, caution is advised when driving or using
431 machinery.

432 **Laboratory Tests**

433 No dose-related effect of Femara on any hematologic or clinical chemistry parameter was
434 evident. Moderate decreases in lymphocyte counts, of uncertain clinical significance, were
435 observed in some patients receiving Femara 2.5 mg. This depression was transient in about
436 half of those affected. Two patients on Femara developed thrombocytopenia; relationship to
437 the study drug was unclear. Patient withdrawal due to laboratory abnormalities, whether
438 related to study treatment or not, was infrequent.

439 Increases in SGOT, SGPT, and gamma GT ≥ 5 times the upper limit of normal (ULN)
440 and of bilirubin ≥ 1.5 times the ULN were most often associated with metastatic disease in the
441 liver. About 3% of study participants receiving Femara had abnormalities in liver chemistries
442 not associated with documented metastases; these abnormalities may have been related to
443 study drug therapy. In the megestrol acetate comparative study about 8% of patients treated
444 with megestrol acetate had abnormalities in liver chemistries that were not associated with
445 documented liver metastases; in the aminoglutethimide study about 10% of
446 aminoglutethimide-treated patients had abnormalities in liver chemistries not associated with
447 hepatic metastases.

448 **Bone Effects**

449

450 Preliminary results (median duration of follow-up was 20 months) from the bone sub-study
451 (Calcium 500 mg and Vitamin D 400 IU per day mandatory; bisphosphonates not allowed)
452 demonstrated that at 2 years the mean decrease compared to baseline in hip BMD in Femara
453 patients was 3% versus 0.4% for placebo ($P=0.048$). The mean decrease from baseline BMD
454 results for the lumbar spine at 2 years was Femara 4.6% decrease and placebo 2.2%
455 ($P=0.069$). Consideration should be given to monitoring BMD.

456

457

458 **Drug Interactions**

459 Clinical interaction studies with cimetidine and warfarin indicated that the coadministration of
460 Femara with these drugs does not result in clinically-significant drug interactions. (See
461 CLINICAL PHARMACOLOGY.)

462 Coadministration of Femara and tamoxifen 20 mg daily resulted in a reduction of
463 letrozole plasma levels by 38% on average. There is no clinical experience to date on the use
464 of Femara in combination with other anticancer agents.

465 **Hepatic Insufficiency**

466 Subjects with cirrhosis and severe hepatic dysfunction (see CLINICAL PHARMACOLOGY,
467 Special Populations) who were dosed with 2.5 mg of Femara experienced approximately
468 twice the exposure to letrozole as healthy volunteers with normal liver function. Therefore, a
469 dose reduction is recommended for this patient population. The effect of hepatic impairment
470 on Femara exposure in cancer patients with elevated bilirubin levels has not been determined.
471 (See DOSAGE AND ADMINISTRATION.)

472 **Drug/Laboratory Test-Interactions**

473 None observed.

474 **Carcinogenesis, Mutagenesis, Impairment of Fertility**

475 A conventional carcinogenesis study in mice at doses of 0.6 to 60 mg/kg/day (about one to
476 100 times the daily maximum recommended human dose on a mg/m² basis) administered by
477 oral gavage for up to 2 years revealed a dose-related increase in the incidence of benign
478 ovarian stromal tumors. The incidence of combined hepatocellular adenoma and carcinoma
479 showed a significant trend in females when the high dose group was excluded due to low
480 survival. In a separate study, plasma AUC_{0-12hr} levels in mice at 60 mg/kg/day were 55 times
481 higher than the AUC_{0-24hr} level in breast cancer patients at the recommended dose. The
482 carcinogenicity study in rats at oral doses of 0.1 to 10 mg/kg/day (about 0.4 to 40 times the
483 daily maximum recommended human dose on a mg/m² basis) for up to 2 years also produced
484 an increase in the incidence of benign ovarian stromal tumors at 10 mg/kg/day. Ovarian
485 hyperplasia was observed in females at doses equal to or greater than 0.1 mg/kg/day. At
486 10 mg/kg/day, plasma AUC_{0-24hr} levels in rats were 80 times higher than the level in breast
487 cancer patients at the recommended dose.

488 Letrozole was not mutagenic in *in vitro* tests (Ames and E.coli bacterial tests) but was
489 observed to be a potential clastogen in *in vitro* assays (CHO K1 and CCL 61 Chinese hamster
490 ovary cells). Letrozole was not clastogenic *in vivo* (micronucleus test in rats).

491 Studies to investigate the effect of letrozole on fertility have not been conducted;
492 however, repeated dosing caused sexual inactivity in females and atrophy of the reproductive
493 tract in males and females at doses of 0.6, 0.1 and 0.03 mg/kg in mice, rats and dogs,
494 respectively (about one, 0.4 and 0.4 the daily maximum recommended human dose on a
495 mg/m² basis, respectively).

496 **Pregnancy**

497 **Pregnancy Category D** (see WARNINGS).

498 **Nursing Mothers**

499 It is not known if letrozole is excreted in human milk. Because many drugs are excreted in
500 human milk, caution should be exercised when letrozole is administered to a nursing woman
501 (see WARNINGS and PRECAUTIONS).

502 **Pediatric Use**

503 The safety and effectiveness in pediatric patients have not been established.

504 **Geriatric Use**

505 The median age of patients in all studies of first-line and second-line treatment of metastatic
506 breast cancer was 64-65 years. About 1/3 of the patients were ≥70 years old. In the first-line
507 study patients ≥70 years of age experienced longer time to tumor progression and higher
508 response rates than patients <70.

509 For the extended adjuvant setting, more than 5100 postmenopausal women were enrolled in
 510 the clinical study. In total, 41% of patients were aged 65 years or older at enrollment, while
 511 12% were 75 or older. No overall differences in safety or efficacy were observed between
 512 these older patients and younger patients, and other reported clinical experience has not
 513 identified differences in responses between the elderly and younger patients, but greater
 514 sensitivity of some older individuals cannot be ruled out.

515

516 **ADVERSE REACTIONS**

517 Femara[®] (letrozole tablets) was generally well tolerated across all studies in first-line and
 518 second-line metastatic breast cancer as well as extended adjuvant treatment in women who
 519 have received prior standard adjuvant tamoxifen treatment. Generally, the observed adverse
 520 reactions are mild or moderate in nature.

521

522 **Extended Adjuvant Treatment of Early Breast Cancer in Postmenopausal Women who** 523 **have Received 5 Years of Adjuvant Tamoxifen Therapy.**

524 The median duration of extended adjuvant treatment was 24 months and the median duration
 525 of follow-up for safety was 28 months for patients receiving letrozole and placebo.

526 Table 11 describes the adverse events occurring at a frequency of at least 5% in any treatment
 527 group during treatment. Most adverse events reported were grade 1 and grade 2 based on the
 528 Common Toxicity Criteria Version 2.0. In the extended adjuvant setting, the reported drug
 529 related adverse events that were significantly different from placebo were hot flashes,
 530 arthralgia/arthritis, and myalgia.

531

532

533 **Table 11 Percentage of patients with adverse events**

534

| | Number (%) of patients with grade 1-4 adverse event | | Number (%) of patients with grade 3-4 adverse event | |
|----------------------------------|---|-------------------|---|-------------------|
| | Letrozole N=2563 | Placebo N=2573 | Letrozole N=2563 | Placebo N=2573 |
| Any adverse event | 2232 (87.1) | 2174 (84.5) | 419 (16.3) | 389 (15.1) |
| Vascular disorders | 1375 (53.6) | 1230 (47.8) | 59 (2.3) | 74 (2.9) |
| Flushing | 1273 (49.7) | 1114 (43.3) | 3 (0.1) | 0 |
| General disorders | 1154 (45.0) | 1090 (42.4) | 30 (1.2) | 28 (1.1) |
| Asthenia | 862 (33.6) | 826 (32.1) | 16 (0.6) | 7 (0.3) |
| Edema NOS | 471 (18.4) | 416 (16.2) | 4 (0.2) | 3 (0.1) |
| Musculoskeletal disorders | 978 (38.2) | 836 (32.5) | 71 (2.8) | 50 (1.9) |
| Arthralgia | 565 (22.0) | 465 (18.1) | 25 (1.0) | 20 (0.8) |
| Arthritis NOS | 173 (6.7) | 124 (4.8) | 10 (0.4) | 5 (0.2) |
| Myalgia | 171 (6.7) | 122 (4.7) | 8 (0.3) | 6 (0.2) |
| Back pain | 129 (5.0) | 112 (4.4) | 8 (0.3) | 7 (0.3) |

| | | | | |
|------------------------------------|------------|------------|----------|----------|
| Nervous system disorders | 863 (33.7) | 819 (31.8) | 65 (2.5) | 58 (2.3) |
| Headache | 516 (20.1) | 508 (19.7) | 18 (0.7) | 17 (0.7) |
| Dizziness | 363 (14.2) | 342 (13.3) | 9 (0.4) | 6 (0.2) |
| Skin disorders | 830 (32.4) | 787 (30.6) | 17 (0.7) | 16 (0.6) |
| Sweating increased | 619 (24.2) | 577 (22.4) | 1 (<0.1) | 0 |
| Gastrointestinal disorders | 725 (28.3) | 731 (28.4) | 43 (1.7) | 42 (1.6) |
| Constipation | 290 (11.3) | 304 (11.8) | 6 (0.2) | 2 (<0.1) |
| Nausea | 221 (8.6) | 212 (8.2) | 3 (0.1) | 10 (0.4) |
| Diarrhea NOS | 128 (5.0) | 143 (5.6) | 12 (0.5) | 8 (0.3) |
| Metabolic disorders | 551 (21.5) | 537 (20.9) | 24 (0.9) | 32 (1.2) |
| Hypercholesterolaemia | 401 (15.6) | 398 (15.5) | 2 (<0.1) | 5 (0.2) |
| Reproductive disorders | 303 (11.8) | 357 (13.9) | 9 (0.4) | 8 (0.3) |
| Vaginal haemorrhage | 123 (4.8) | 171 (6.6) | 2 (<0.1) | 5 (0.2) |
| Vulvovaginal dryness | 137 (5.3) | 127 (4.9) | 0 | 0 |
| Psychiatric disorders | 320 (12.5) | 276 (10.7) | 21 (0.8) | 16 (0.6) |
| Insomnia | 149 (5.8) | 120 (4.7) | 2 (<0.1) | 2 (<0.1) |
| Respiratory disorders | 279 (10.9) | 260 (10.1) | 30 (1.2) | 28 (1.1) |
| Dyspnoea | 140 (5.5) | 137 (5.3) | 21 (0.8) | 18 (0.7) |
| Investigations | 184 (7.2) | 147 (5.7) | 13 (0.5) | 13 (0.5) |
| Infections and infestations | 166 (6.5) | 163 (6.3) | 40 (1.6) | 33 (1.3) |
| Renal disorders | 130 (5.1) | 100 (3.9) | 12 (0.5) | 6 (0.2) |

535

536

537

538 The duration of follow-up for both the main clinical study and the bone study were
539 insufficient to assess fracture risk associated with long-term use of letrozole. Based on a
540 median follow-up of patients for 28 months, the incidence of clinical fractures from the core
541 randomized study in patients who received Femara was 5.9% (152) and placebo was 5.5%
542 (142). The incidence of self-reported osteoporosis was higher in patients who received
543 Femara 6.9% (176) than in patients who received placebo 5.5% (141). Bisphosphonates were
544 administered to 21.1% of the patients who received Femara and 18.7% of the patients who
545 received placebo.

546 Preliminary results (median duration of follow-up was 20 months) from the bone sub-study
547 (Calcium 500 mg and Vitamin D 400 IU per day mandatory; bisphosphonates not allowed)
548 demonstrated that at 2 years the mean decrease compared to baseline in hip BMD in Femara
549 patients was 3% versus 0.4% for placebo. The mean decrease from baseline BMD results for
550 the lumbar spine at 2 years were Femara 4.6% decrease and placebo 2.2%.

551 The incidence of cardiovascular ischemic events from the core randomized study was
552 comparable between patients who received Femara 6.8% (175) and placebo 6.5% (167).

553 Preliminary results (median duration of follow-up was 30 months) from the lipid sub-study
554 did not show significant differences between the Femara and placebo groups. The HDL:LDL
555 ratio decreased after the first 6 months of therapy but the decrease was similar in both groups
556 and no statistically significant differences were detected.

557 . A patient-reported measure that captures treatment impact on important symptoms
558 associated with estrogen deficiency demonstrated a difference in favour of placebo for
559 vasomotor and sexual symptom domains."

560 **First-Line Breast Cancer**

561 A total of 455 patients was treated for a median time of exposure of 11 months. The incidence
562 of adverse experiences was similar for Femara and tamoxifen. The most frequently reported
563 adverse experiences were bone pain, hot flushes, back pain, nausea, arthralgia and dyspnea.
564 Discontinuations for adverse experiences other than progression of tumor occurred in 10/455
565 (2%) of patients on Femara and in 15/455 (3%) of patients on tamoxifen.

566 Adverse events, regardless of relationship to study drug, that were reported in at least
567 5% of the patients treated with Femara 2.5 mg or tamoxifen 20 mg in the first-line treatment
568 study are shown in Table 12.

569

Table 12: Percentage (%) of Patients with Adverse Events

| Adverse Experience | Femara [®] 2.5 mg (N=455) % | tamoxifen 20 mg (N=455) % |
|--|---|------------------------------------|
| General Disorders | | |
| Fatigue | 13 | 13 |
| Chest pain | 8 | 9 |
| Edema peripheral | 5 | 6 |
| Pain not otherwise specified | 5 | 7 |
| Weakness | 6 | 4 |
| Investigations | | |
| Weight decreased | 7 | 5 |
| Vascular Disorders | | |
| Hot flushes | 19 | 16 |
| Hypertension | 8 | 4 |
| Gastrointestinal Disorders | | |
| Nausea | 17 | 17 |
| Constipation | 10 | 11 |
| Diarrhea | 8 | 4 |
| Vomiting | 7 | 8 |
| Infections/Infestations | | |
| Influenza | 6 | 4 |
| Urinary tract infection not otherwise specified | 6 | 3 |
| Injury, Poisoning and Procedural Complications | | |
| Post-mastectomy lymphedema | 7 | 7 |
| Metabolism and Nutrition Disorders | | |
| Anorexia | 4 | 6 |
| Musculoskeletal and Connective Tissue Disorders | | |
| Bone pain | 22 | 21 |
| Back pain | 18 | 19 |
| Arthralgia | 16 | 15 |
| Pain in limb | 10 | 8 |
| Nervous System Disorders | | |
| Headache not otherwise specified | 8 | 7 |
| Psychiatric Disorders | | |
| Insomnia | 7 | 4 |
| Reproductive System and Breast Disorders | | |
| Breast Pain | 7 | 7 |
| Respiratory, Thoracic and Mediastinal Disorders | | |
| Dyspnea | 18 | 17 |
| Cough | 13 | 13 |
| Chest wall pain | 6 | 6 |

613

614 Other less frequent ($\leq 2\%$) adverse experiences considered consequential for both
615 treatment groups, included peripheral thromboembolic events, cardiovascular events, and
616 cerebrovascular events. Peripheral thromboembolic events included venous thrombosis,
617 thrombophlebitis, portal vein thrombosis and pulmonary embolism. Cardiovascular events
618 included angina, myocardial infarction, myocardial ischemia, and coronary heart disease.
619 Cerebrovascular events included transient ischemic attacks, thrombotic or hemorrhagic
strokes and development of hemiparesis.

620 **Second-Line Breast Cancer**

621 Femara was generally well tolerated in two controlled clinical trials.

622 Study discontinuations in the megestrol acetate comparison study for adverse events
 623 other than progression of tumor occurred in 5/188 (2.7%) of patients on Femara 0.5 mg, in
 624 4/174 (2.3%) of the patients on Femara 2.5 mg, and in 15/190 (7.9%) of patients on megestrol
 625 acetate. There were fewer thromboembolic events at both Femara doses than on the megestrol
 626 acetate arm (2 of 362 patients or 0.6% vs. 9 of 190 patients or 4.7%). There was also less
 627 vaginal bleeding (1 of 362 patients or 0.3% vs. 6 of 190 patients or 3.2%) on letrozole than on
 628 megestrol acetate. In the aminoglutethimide comparison study, discontinuations for reasons
 629 other than progression occurred in 6/193 (3.1%) of patients on 0.5 mg Femara, 7/185 (3.8%)
 630 of patients on 2.5 mg Femara, and 7/178 (3.9%) of patients on aminoglutethimide.

631 Comparisons of the incidence of adverse events revealed no significant differences
 632 between the high and low dose Femara groups in either study. Most of the adverse events
 633 observed in all treatment groups were mild to moderate in severity and it was generally not
 634 possible to distinguish adverse reactions due to treatment from the consequences of the
 635 patient's metastatic breast cancer, the effects of estrogen deprivation, or intercurrent illness.

636 Adverse events, regardless of relationship to study drug, that were reported in at least
 637 5% of the patients treated with Femara 0.5 mg, Femara 2.5 mg, megestrol acetate, or
 638 aminoglutethimide in the two controlled trials are shown in Table 13.

639

640

Table 13: Percentage (%) of Patients with Adverse Events

| 641 Adverse 642 Experience | 643 Pooled 644 Femara® 2.5 mg (N=359) 645 % | 643 Pooled 644 Femara® 0.5 mg (N=380) 645 % | 643 megestrol 644 acetate 160 mg (N=189) 645 % | 643 aminoglutethimide 644 500 mg (N=178) 645 % |
|------------------------------------|---|---|--|---|
| 646 Body as a Whole | | | | |
| 647 Fatigue | 8 | 6 | 11 | 3 |
| 648 Chest pain | 6 | 3 | 7 | 3 |
| 649 Peripheral edema ¹ | 5 | 5 | 8 | 3 |
| 650 Asthenia | 4 | 5 | 4 | 5 |
| 651 Weight increase | 2 | 2 | 9 | 3 |
| 652 Cardiovascular | | | | |
| 653 Hypertension | 5 | 7 | 5 | 6 |
| 654 Digestive System | | | | |
| 655 Nausea | 13 | 15 | 9 | 14 |
| 656 Vomiting | 7 | 7 | 5 | 9 |
| 657 Constipation | 6 | 7 | 9 | 7 |
| 658 Diarrhea | 6 | 5 | 3 | 4 |
| 659 Pain-abdominal | 6 | 5 | 9 | 8 |
| 660 Anorexia | 5 | 3 | 5 | 5 |
| 661 Dyspepsia | 3 | 4 | 6 | 5 |
| 662 Infections/Infestations | | | | |
| 663 Viral infection | 6 | 5 | 6 | 3 |
| 664 Lab Abnormality | | | | |
| 665 Hypercholesterolemia | 3 | 3 | 0 | 6 |
| 666 Musculoskeletal System | | | | |
| 667 Musculoskeletal ² | 21 | 22 | 30 | 14 |
| 668 Arthralgia | 8 | 8 | 8 | 3 |

| | | | | | |
|-----|----------------------------|---|----|----|----|
| 669 | Nervous System | | | | |
| 670 | Headache | 9 | 12 | 9 | 7 |
| 671 | Somnolence | 3 | 2 | 2 | 9 |
| 672 | Dizziness | 3 | 5 | 7 | 3 |
| 673 | Respiratory System | | | | |
| 674 | Dyspnea | 7 | 9 | 16 | 5 |
| 675 | Coughing | 6 | 5 | 7 | 5 |
| 676 | Skin and Appendages | | | | |
| 677 | Hot flushes | 6 | 5 | 4 | 3 |
| 678 | Rash ³ | 5 | 4 | 3 | 12 |
| 679 | Pruritus | 1 | 2 | 5 | 3 |

680 ¹ Includes peripheral edema, leg edema, dependent edema, edema

681 ² Includes musculoskeletal pain, skeletal pain, back pain, arm pain, leg pain

682 ³ Includes rash, erythematous rash, maculopapular rash, psoriasiform rash, vesicular rash

683 Other less frequent (<5%) adverse experiences considered consequential and reported
 684 in at least 3 patients treated with Femara, included hypercalcemia, fracture, depression,
 685 anxiety, pleural effusion, alopecia, increased sweating and vertigo.

686 **Post-Marketing Experiences**

687 Cases of blurred vision and increased hepatic enzyme have been uncommonly (<1%) reported
 688 since market introduction.

689 **OVERDOSAGE**

690 Isolated cases of Femara[®] (letrozole tablets) overdose have been reported. In these instances,
 691 the highest single dose ingested was 62.5 mg or 25 tablets. While no serious adverse events
 692 were reported in these cases, because of the limited data available, no firm recommendations
 693 for treatment can be made. However, emesis could be induced if the patient is alert. In
 694 general, supportive care and frequent monitoring of vital signs are also appropriate. In single
 695 dose studies the highest dose used was 30 mg, which was well tolerated; in multiple dose
 696 trials, the largest dose of 10 mg was well tolerated.

697 Lethality was observed in mice and rats following single oral doses that were equal to
 698 or greater than 2000 mg/kg (about 4000 to 8000 times the daily maximum recommended
 699 human dose on a mg/m² basis); death was associated with reduced motor activity, ataxia and
 700 dyspnea. Lethality was observed in cats following single IV doses that were equal to or
 701 greater than 10 mg/kg (about 50 times the daily maximum recommended human dose on a
 702 mg/m² basis); death was preceded by depressed blood pressure and arrhythmias.

703 **DOSAGE AND ADMINISTRATION**

704 **Adult and Elderly Patients**

705 The recommended dose of Femara[®] (letrozole tablets) is one 2.5 mg tablet administered once
 706 a day, without regard to meals. In patients with advanced disease, treatment with Femara
 707 should continue until tumor progression is evident. In the extended adjuvant setting, the
 708 optimal treatment duration with Femara is not known. The planned duration of treatment in
 709 the study was 5 years. However, at the time of the analysis, the median treatment duration
 710 was 24 months, 25% of patients were treated for at least 3 years and less than 1% of patients

711 were treated for the planned duration of 5 years. The median duration of follow-up was 28
712 months. Treatment should be discontinued at tumor relapse (see CLINICAL STUDIES).

713

714

715 No dose adjustment is required for elderly patients. Patients treated with Femara do not
716 require glucocorticoid or mineralocorticoid replacement therapy.

717 **Renal Impairment**

718 (See CLINICAL PHARMACOLOGY.) No dosage adjustment is required for patients with
719 renal impairment if creatinine clearance is ≥ 10 mL/min.

720 **Hepatic Impairment**

721 No dosage adjustment is recommended for patients with mild to moderate hepatic impairment,
722 although letrozole blood concentrations were modestly increased in subjects with moderate
723 hepatic impairment due to cirrhosis. The dose of letrozole in patients with cirrhosis and severe
724 hepatic dysfunction should be reduced by 50% (see CLINICAL PHARMACOLOGY). The
725 recommended dose of Femara[®] (letrozole tablets) for such patients is 2.5 mg administered
726 every other day. The effect of hepatic impairment on Femara exposure in noncirrhotic cancer
727 patients with elevated bilirubin levels has not been determined. (See CLINICAL
728 PHARMACOLOGY.)

729 **HOW SUPPLIED**

730 2.5 mg tablets - dark yellow, film-coated, round, slightly biconvex, with beveled edges
731 (imprinted with the letters FV on one side and CG on the other side).

732 Packaged in HDPE bottles with a safety screw cap.

733 Bottles of 30 tabletsNDC 0078-0249-15

734 Store at 25°C (77°F); excursions permitted to 15°C-30°C (59°F-86°F). [See USP Controlled
735 Room Temperature].

736

737 T200X-XX
738 REV: XXXX 200X

Printed in U.S.A.

XXXXXXXXXX

739

740  **NOVARTIS**

741

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