HP22: Review of Drugs

Purpose

The *Review of Drugs* form documented departures from the Basic Plan of Therapy, discontinuation of an HDFP drug for any reason, and discontinuation of an non-HDFP drug due to an adverse reaction (see **Section 5.12** of the *Manual of Operations*).

Special Considerations

 HP22s dated before November 1, 1975 were completed by Coordinating Center physicians using data from participant's HP09s and HP13s.

| FORM | # | 1,2 |
|------|---|-----|
| | | |

| 1. Program Nu | | | 1, 7,8 | | H No. 18.1 | 2. Date: | | 28,29 24 20 | 19 3 - (3) |
|---|--|---|--------------------------------------|--|--|--|--|---|---------------------------|
| 3. Name: (PRIN | IT IN BLOCK | (CAPITALS) | | DATE | H NO. 10.1 | 1,00,0 | 1,000,000 | ,27, 0 | 7 (S |
| (Mr., Miss, Mrs.) | | Last | | | First | | | Middle | |
| 4. Type of Visit | Initial Tr | eatment | | | | | | _ | |
| | - Clinic Re | | | | (1) | 2,13,11 | 1,15,16,1 | 7 | |
| 4 34 | 3 Other (S | | | | | | iting Center | | |
| SUMMARY | OF DRU | JG STATU | S AT TI | HIS VISIT | CHEC | C ONE BOX | FOR EACH | DRUG: | |
| | | | | | Drug | | | | |
| | | _ | | | Contraindicated | | Drug | | |
| | Drug | Drug | | | (If drug is being | | Conditional | | |
| | Started (Review | Stopped (Review | | | discontinued, complete | Drug | Approved (Comment | _ | |
| | • | Section E) | COLS. | 1 | Section E) | Approxed | Section C) | Cols. Con | nment |
| | | | 2 2 | | 1 | - i | B | 40 | |
| hlorthalidone* | ·/ ·# | <i>&</i> . | | Chlorthalidone* Spironolactone | Ø b | | П | 49 | |
| pironolactone eserpine* | | | 36 | Reserpine* | | | | 50 | |
| lethyldopa | | | | Methyldopa | © □ © □ | | | 51 | |
| ydralazine | | | | Hydralazine | 9 🗆 | | | 52 | |
| uanethidine | | | 38 | Guanethidine | @ 🗆 | | | 53 | |
| ther: 31.40.4 | |) | 42 | Other: 54.65. | | | | <u> 51 </u> | Denie British A |
| ther: 43.44.4 | K - 0 | | 46 | Other: 53.59. | ८०७ □ ७ | | Д | 61 | |
| otassium | _ | _ | 41 | Potassium | 3 | - | _ | 62 | |
| supplement Alone or as a cons | | | ٠, | supplement | | | | <u> </u> | |
| advancement t strict adherence drugs already in | es wheneve o the next S e to a Step i nuse at entry n is serious to waive rec | er any interventep or other a in the Basic Pl /. risk of loss of | spects of lan is judg complian | the Basic Plan of T ed <i>seriously</i> to risk ce with a Step in th | n affecting the partic herapy imprudent in loss of compliance, a e Basic Plan because Basic Plan of Therap | the judgmers in the case of preferen | nt of the clinic e of marked re nce to continu | physician, sistance to e on prior a | or wh chang igents; |
| C 5 20 | | | 0= R | blank | | | | | |

| Cohumn 65 1= comment 0=Blank | 9 |
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DRUG-SPECIFIC CONTRAINDICATIONS, EXCEPTIONS AND PRECAUTIONS D.

Note: This listing is not exhaustive; the physician and therapist are responsible for maintaining familiarity with current information regarding

| HDFP drugs. | | |
|--|---------------------------|--|
| 1. DCHLORTHALIDONE (including Regroton) or Hydrochlorothiazide, if substituted. | dosage: range: | 50 mg alternate days — 100 mg daily 25 mg avg. to 100 mg daily |
| a. CONTRAINDICATIONS (i) ALLERGY: History or development of allergy to thiazide diuretics or chlorthalidone. | | |
| (ii) DIABETES: History or development of loss of therapeutic con- trol of diabetes, in a participant taking insulin, in the presence of treatment with thiazide-like drugs. | REQUIRED |): use spironolactone |
| (iii) HYPOKALEMIA: History or development of severe, refractory hypokalemia (potassium below 2.5 mEq/L, or below 3.0 mEq/L if on digitalis therapy) while on thiazide-like drugs plus sup- plemental potassium. |) | |
| b. EXCEPTIONS AND PRECAUTIONS HYPOKALEMIA (i) ASYMPTOMATIC HYPOKALEMIA: Serum K+ below 3.0 mEq/L on at least 2 determinations. |) | |
| (ii) SYMPTOMATIC HYPOKALEMIA: Serum K+ below 3.5 on at least 2 consecutive determinations with one or more of the following: fatigue, weakness, muscle cramps, palpitations, arrhythmia documented by ECG, or other documented symptoms or signs of hypokalemia. | permitted: | finitiation of oral potassium supplements |
| (iii) DIGITALIS IN USE: Participant is taking, or is started on, digitalis. | REQUIRED 35 ¹² | O: 12 potassium supplementation OR (NOT BOTH) Dispironolactone as an adjunct to chlor- thalidone |
| (iv) HYPERGLYCEMIA OR KNOWN DIABETES: history of diabetes on hyperglycemia (above 200 mg/100 ml fasting, or above 250 one hour post-glucose load). | → REQUIRED | D: If monitoring of serum glucose at least fixevery 8 weeks and asking about symptoms at each visit. |
| (v) INTOLERANCE: chlorthalidone not tolerated by participant, but not contraindicated, according to section "a," above. | permitted: | : D substitution of hydrochlorothiazical for chlorthalidone; completion of section E. |
| (vi) DOUTSIDE MEDICATIONS: participant is already under treatment from non-HDFP physician, who will not allow change to chlorthalidone. | permitted: | provision of alternate thiazide to par- |
| (vii) AZOTEMIA: at entry, or in the course of the Program, serum recent than 2.0 mg/100 ml. | → permitted: | : Substitution of furosemide for chlor- thalidone and management in Indi- vidualized Schedule |
| 2. PROBENECID. | dosage: range: | 0.5 gm., 2 to 4 times daily 1.0 to 2.0 gm daily |
| a. CONTRAINDICATIONS (i) Known hypersensitivity. | | |
| (iii) Uric acid kidney stones. (iii) serum creatinine 2.0 mg/100 ml or greater. | REQUIRED: | use allopurinol |
| 3. ØALLOPURINOL. | dosage: | 100 mg., 1 to 3 times daily |

a. CONTRAINDICATIONS: none

b. EXCEPTIONS AND PRECAUTIONS

(i) INITIATION OF THERAPY: participant is started on allopurinol. 83

REQUIRED: monitoring of renal and hepatic funçtion early in therapy to detect poss; organ damage

100 to 300 mg daily

range:

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dosage: 25 to 50 mg twice daily SPIRONOLACTONE as adjunct or substitute for chlorthalidone. 50 to 100 mg daily range: see section D. 1. a. (i)-(iii), b. (i)-(iii) indications: a. CONTRAINDICATIONS AZOTEMIA: serum creatinine level of 2.0 mg/100 ml or greater. (i) HYPERKALEMIA: Presence of hyperkalemia (potassium above (ii) 5mEq/L) on two determinations. b. EXCEPTIONS AND PRECAUTIONS (i) POTASSIUM SUPPLEMENT IN USE: participant is currently REQUIRED: A discontinue potassium supplementation except under severe hypokalemia taking potassium supplement. c. INDICATIONS (CHECK IF PRESENT) → REQUIRED: discontinuation of chlorthalidone PERSISTENT HYPOKALEMIA: Serum potassium level of 3.0 while diagnosis pending (complete mEq/L or below, despite supplemental potassium or spironolactone therapy, as in D.1.b. (i) or (ii) above. sections E and F) permitted: permanent substitution of spironolactone for chlorthalidone as the sole diuretic 5. A RESERPINE (including Regroton or other combination medicines con-0.10 to 0.25 mg daily dosage: **4** taining reserpine). range: 0.10 to 0.25 mg daily a. CONTRAINDICATIONS DEPRESSION: History or development of mental depression as manifested by early morning awakening, or sufficient to interfere with work, recreation or sleep, or leading the par-- REQUIRED: use methyldopa ticipant to seek help. (ii) ACTIVE ULCER: Evidence of active peptic ulcer (as defined locally by Clinical Center). b. EXCEPTIONS AND PRECAUTIONS PEPTIC ULCER, GASTROINTESTINAL BLEEDING, OR SEpermitted: substitution of methyldopa VERE ASTHMA by history. 93 92 6. I METHYLDOPA as a substitute for reserpine. 250 mg 3 times to 500 mg 4 times dosage: daily 94 750 to 2000 mg daily range: indications: see section D. 5. a. (i)-(ii), b. (i) a. CONTRAINDICATIONS ALLERGY/DRUG FEVER: History or development of allergy or drug fever. LIVER DISEASE: Evidence of significant liver disease. 7. Z HYDRALAZINE 10 mg t.i.d. to 50 mg g.i.d. dosage: a. CONTRAINDICATIONS: none **EXCEPTIONS AND PRECAUTIONS** (i) CORONARY HEART DISEASE: evidence of clinical coronary permitted: Skipping directly from Step 2 to Step 4 heart disease (ii) ITHERAPY WITH HYDRALAZINE IS BEGUN: EQUIRED: precede initiation of hydralazine by reserpine (or methyldopa, if substituted) to reduce risk of tachycardia 8. GUANETHIDINE. dosage: 10 mg to 200 mg daily (once started) CONTRAINDICATIONS UNRELIABILITY: Participant is judged unlikely to observe necessary caution in administration and clinical observation. b. EXCEPTIONS AND PRECAUTIONS (i) PARTICIPANT WITH LOW GOAL (<90) permitted: guanethidine may be used only if per-

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101

sistent BP elevation above 90 while in

102 Step 3. Goal becomes 90.

| | (b) 105 (i) th | Hypokale under Ch | in. (CHECK IF Plemia, or Digital plants) (Interpretation of the properties of the | ilis in use | | | | | → REQU | Ø / <i>O</i> JIRED: Ø comm | | on C | |
|-------|---------------------|----------------------|---|-------------|-----------|------------|------------|------------|----------|---|------|--------------|--------------------------|
| | REPORT OF DRUG | BOY DISC | ONTINUAT | TION | | | | | | | | | |
| (i |) | C | DISCONTINUI | D BY: | | | SUSPI | ECTED ADVE | RSE REAC | TION? | TI | HERAPY REQ | UIRED: |
| Line | | HOFP | Non HOFP | Particle | ment | | NO | | TORE | DETERMINED | BYAP | HYSICIAN | |
| Numbe | - | | Physician | | _ | _ | ip 70 (ii) | | Probable | Definite | Mone | Outpatient | |
| 01. | Chlorthalidone | # | A | 9 | | | 4 | 2 | 5 | 4121 | # | 95)2 | 135 |
| 02. | Spironolactone (1) | | | | 108 | E | | | | □ /2 8 | | % - | <i>139</i> ¹² |
| 03. | Reserpine | | | | 109 | 码 | | | | ⁻ /29 | | 9) - | 140 - |
| 04. | Regroton | | | | 110 | 87 | | | | □ <i>130</i> | 0 | (98) 🗆 | 141 - |
| 05. | Methyldopa | | | | /// | 88 | | | | □ <i>131</i> | | (99) 🗆 | 142 - |
| 06. | Hydralazine | | | | /12 | SZ SZ | | | | 132 | | | 145 - |
| 07. | Guanethidine | | | | //3 | 90 | | | | □ /33 | | (0) | 1440 |
| 08. | Potassium Chlorid | | | | 114 | 91 | | | | 134 | | 149 - | 1450 |
| 09. | Other [15.116.117 | ? > | | | 118 | 91 | | | | 口(多) | | | 1460 |
| | Other 119-120-12 | 1 | | | 122 | 93 | | | | □ /3 4 | | (M) - | 11- |
| 10 | | 3 | | | 126 | 94) | | | | □ <i>/31</i> | | | 1481 |
| | 144 Comment Requ | ired: | | [B] | COI CU | LUI LUI | MN men | 150 ‡ | | | | | |
| | | | | 0= | 8 | la | nk | 7 | | | | | |

F. REPORT OF ADVERSE REACTION

Date of Onset of First Symptoms: 57, 152 63,154 19

| Note: Use line number from Section E. | | | | | | | | |
|---|-------|----------|-------|---|-----------------|--|--|--|
| Reaction | overe | Moderate | IVIII | Suspected Medication(s) | Comments | | | |
| Cardiovascular-Renal 1. Angina or chest pain | ď | 2 | 3 | 110 Kg (11) 160 (12) 162 | Corumn 214 | | | |
| 2. Arrhythmias | 0 | | | 118/165 118/67 119/15/17 | elf more than 3 | | | |
| 3. Tachycardia | | | | 13/12/19/19/19/19 | meds for any | | | |
| 4. Bradycardia | | | | 12/180 18/82 12/82 | Machin - Punch | | | |
| 5. Palpitations | | | | (22) 181 (22) 181 (22) 191 | a "1" Otherwise | | | |
| 6. Hypotension | | | | 19 /4 (B) /16 193 /96 | Same procedure | | | |
| 7. Orthostatic Hypotension | | | | 13 200 B 262 13 204 201 B 263 13 205 | they section F. | | | |
| 8. Other: 4 B) 206 B3 207 | | | _ | B) 201 14021 14 2/2 | 3 | | | |
| 1. Peptic Ulcer 215 | _ | | _ | 14 216 218 14 220 24 24 24 | | | | |
| 2. Upper GI distress (nausea and vomiting gastritis, epigastric distress, etc.) | _ | | | (48)223 (49)25 (50)25 (24) | commo | | | |
| 3. Diarrhea | | | | (52) (53) (53) (54) (53) (54) (53) | 130 | | | |
| 4. Glbleeding | | | ۵ | (51) 23 (51) 10 10 10 10 10 10 10 10 10 10 10 10 10 | 9 | | | |
| 5. Abnormal liver function tests | | | | (6) 245 (12) 247 (62) 24 | • | | | |
| 6. Other: (16) 250 (14) 25 1 | | | _ (| (B) 25 W255 (1) 25 | | | | |
| Musculoskeletal 1. Arthritis 2. Arthrolain | | | | (10)260 (11) 263 (12)263 | Corumn | | | |
| 2. Artificialista | | _ | | 17 268 15 270 16 27 1 | 288 | | | |
| 3. Muscle cramping | | _ | _ | 118 274 (17) 2716 (80) 278 28 2 2 284 (2) 284 | 2 | | | |
| 4. Other. | | | | 183/23 14 DSS 185 28° | | | | |
| 1. Lupus Syndrome | | | | 290 19292 19029 | | | | |
| 2. Dermatitis, skin rash, urticaria, or other allergic re- action, or hives | | 0 | _ | 192 297 1300 299 301 298 1300 302 | Color | | | |
| 3. Flu-like syndrome | | | | 16 30 4 130 16 30 8 30 8 30 8 30 8 30 8 30 8 30 8 30 | 300 | | | |
| 4. Other allergic reaction: 3 1 0 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 | | | | 201313 202314 20316 315 20317 | T | | | |
| 5. Other immunological: (28) 318 (25) 319 | | | | 20 32 10 32 10 32 32 32 32 32 32 32 32 32 32 32 32 32 | | | | |
| Respiratory 1. Asthma | _ | _ | | 21)328 212330 213331 329 331 331 333 | Column 20 | | | |
| 2. Nasal stuffiness | | | _ | 2133 217340 | 9 | | | |

| Reaction | Severe | Moderate | Mild | Suspected Medication(s) | Comments |
|---|--------|----------|------|--|-------------|
| Sexual | | | ` | 213 21 21 21 21 21 21 | 1234 |
| 1. Impotence or inability to maintain erection | ø | A | 3 | 344 346 348 | Caunin |
| 2. Retrograde ejaculation | _ | | | 22/357 225 357 22/35 | 311 |
| 3. Decreased libido | | | | 22 35 229 359 230 361 | 0 |
| 4. Other: 1 (3) 363 (3) 364 | | | | 233 de 234367 25369 | 1 |
| Neuro-psychiatric | | | | 220 22 27 | (S2) |
| 1. Depression | | | | 238 373 375 249 378 376 249 378 | Column |
| 2. Nightmares or disturbed sleeping habits | | | | 242 380 243 382 244 384 | 450 |
| 3. Psychosis | | | _ | 246 381 247 381 248 391 | |
| 4. Numbness or paresthesias | | | | 250 394 251 396 252 398 | o |
| 5. Syncope, dizziness or fainting | | | | 294 401 (255) 463 (252) 403 100) | 7 |
| 6. Visual difficulties | | | | 253 468 253 410 260 412 | |
| 7. Headache | | | | 242 415 213 417 2W 419 | |
| 8. Lethargy, malaise, fatigue | | | | 914 422 611 424 215 446 | |
| 9. Drowsiness 428 | | | | 20 429 22 1431 122 433 | |
| (13) 435 | | | | 430 432 7,434 63) 434 643438 64140 | |
| 11. Other: 9 9 442 20 443 | _ | | | 29437 19441 200 HULL (200 446) AUS | |
| | | | | 445 449 28 449 | |
| Endocrine-Metabolic 1. Hypokalemia 451 | | | | 250 452 454 25 456 | 320 |
| 2. Hyperkalemia 458 | | | | 130 459 20 461 10 A63 | Ast it med |
| 3. Hyperuricemia 69 465 | | | ` | 46 66 2468 Con 4 10 | Cohumn |
| (De) 417 | | | | 19461 C19469 411 | 215 |
| QQ 419 | | | | 474 24 4 71 E18 478 | · · · · · · |
| 3. Hypergrycerina (%) 49/2 | | | | 200 HU 301 483 301 485 | ī |
| Supplied Retoacidosis | | | | 304437 305490 304 492 | |
| 7. Gynecomastia or breast tenderness | | 0 | | (308)495 (30) 497 (310) 499 | |
| 8. Menstrual irregularities (31) 500 | | | | 312)501 313)503 314)505 502 313)504 314)506 | |
| 9. Other: (319) 507 (319) 508 | | | | 31)509 38511 319 513 510 38512 319 513 | |
| Hematological | | | ŧ | 22517 32354 521 | (30) 0 |
| 1. Anemia | | | | 518 520 321 522 | Cours? |
| 2. Other: 37.7.3 | | | | 321 524 323 528 329 536 526 323 528 329 536 | 531 |
| Other 00 1 01 (31) 632-533 (332 534 | _ | _ | _ | 33) 531 339 531 3539 | coura c |
| 00 (31) 514 512 (37) 5112 | | | | 536 538 540 | 0°559 c |
| 2 01 0 541-842 0 543 3 0 (H) 550-551 (H) 552 | | | | 33984 339 347 340 5 19 | 349 1 |
| 3. 21 44 320-531 44552 | | | | 3B 554 34 55 6 31 558 | |

G. CASE HISTORY OUTLINE - ADVERSE REACTION

| Cen | ter Name | Participant Program Number (Do not include name) |
|-------|--|---|
| Pred | dominant Symptom(s) | Suspected Drug(s) |
| (i) | Baseline Blood Pressure: Home | Clinic |
| (ii) | Pertinent Baseline Findings | 3 |
| (iii) | History and Physical Findings Pertinent to Adverse Rea | Punch "I" is this page is completed "O" is list blank |
| (iv) | Laboratory Findings Pertinent to Adverse Reaction (Inc | lude ECG and X-ray) |

(v) Treatment History: Brief Outline of previous treatment and visits pertinent to adverse reaction. All previous adverse reactions should be noted.

| Date | BP | Drug Regimen* | Comments |
|------|----|---------------|----------|
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(vi) Summary and Plan for Follow-Up and Further Comments



Physician __

Medication Coding on HP22

Fields 11, 13, 22, 24, 78, and 82 are coded as follows:

- 1) if the drug is an <u>antihypertensive</u> drug, the alpha code is used for the drug. e.g.: A
- 2) if the drug is a <u>non-antihypertensive</u> drug, the alpha code is preceded by the letter Y, e.g.: YA

This coding scheme is necessary since both antihypertensive and non-antihypertensive drug codes can appear in fields mentioned above.