

## SUMMARY OF FINAL EVALUATIONS

| Agent  | Degree of evidence of carcinogenicity |        | Overall evaluation of carcinogenicity to humans |
|--|---------------------------------------|--------|---|
|  | Human                                 | Animal |   |
| Oral contraceptives, combined                      | S <sup>a</sup>                        |        | 1   |
| Hormonal contraceptives, progestogen-only          | I                                     |        | 2B  |
| Post-menopausal oestrogen therapy                  | S                                     |        | 1   |
| Post-menopausal oestrogen-progestogen therapy      | L                                     |        | 2B  |
| <i>Oestrogens</i>                                  |                                       |        |   |
| Conjugated equine oestrogens                       |                                       | L      |   |
| d-Equilenin  |                                       | I      |   |
| Equilin  |                                       | L      |   |
| Ethinylloestradiol                                 |                                       | S      |   |
| Mestranol  |                                       | S      |   |
| Oestradiol   |                                       | S      |   |
| Oestriol   |                                       | L      |   |
| Oestrone   |                                       | S      |   |
| <i>Progestogens</i>                                |                                       |        |   |
| Chlormadinone acetate                              |                                       | L      |   |
| Cyproterone acetate                                |                                       | L      |   |
| Ethinodiol diacetate                               |                                       | L      |   |
| Levonorgestrel                                     |                                       | I      |   |
| Lynoeestrenol                                      |                                       | S      |   |
| Medroxyprogesterone acetate                        |                                       | S      |   |
| Megestrol acetate                                  |                                       | L      |   |
| Norethisterone                                     |                                       | L      |   |
| Norethisterone acetate                             |                                       | L      |   |
| Norethynodrel                                      |                                       | S      |   |
| Norgestrel   |                                       | I      |   |
| <i>Combinations</i>                                |                                       |        |   |
| Conjugated equine oestrogens (O) + progestogen (P) |                                       | I      |   |
| Ethinylloestradiol (O) + chlormadinone acetate (P) |                                       | L      |   |
| Ethinylloestradiol (O) + ethynodiol diacetate (P)  |                                       | S      |   |
| Ethinylloestradiol (O) + megestrol acetate (P)     |                                       | L      |   |
| Ethinylloestradiol (O) + norethisterone (P)        |                                       | L      |   |
| Ethinylloestradiol (O) + norgestrel (P)            |                                       | L      |   |
| Mestranol (O) + chlormadinone acetate (P)          |                                       | L      |   |
| Mestranol (O) + ethynodiol diacetate (P)           |                                       | L      |   |
| Mestranol (O) + lynoeestrenol (P)                  |                                       | L      |   |
| Mestranol (O) + norethisterone (P)                 |                                       | L      |   |
| Mestranol (O) + norethynodrel (P)                  |                                       | S      |   |

S, sufficient evidence; I, inadequate evidence; L, limited evidence; group 1, carcinogenic to humans; group 2B, possibly carcinogenic to humans; for definitions of criteria for degrees of evidence and groups, see preamble, pp. 23–27.

O, oestrogen; P, progestogen

<sup>a</sup> Hepatocellular carcinomas, high-dose preparations