First FRCR Examination – Clinical Pharmacology module

List of Anti-Cancer Drugs

This supporting document sets out a list of drugs expected to be covered during core clinical oncology training and which may be included in the clinical pharmacology module of the First FRCR examination. It is anticipated that this will be reviewed regularly to ensure current practice is reflected.

The list sets out drugs from all the major classes. Trainees are expected to demonstrate their knowledge of these drugs in terms of their indications, and all aspects of these drugs as defined in Appendix 2, sections 2.1-2.5 and 2.7 of the specialty training curriculum - “Underpinning Scientific Principles”.

This version will apply to examinations held from Spring 2017 until a further version is published.

NB – for completeness, candidates are advised that the Final FRCR Examination may feature any drug in common clinical use and any drug that is NICE-approved.

Cytotoxic agents

Alkylating agents
- Cyclophosphamide
- Ifosfamide
- Temozolomide

Anti-Metabolites
- Capecitabine
- 5-Fluoro Uracil
- Methotrexate
- Gemcitabine
- Pemetrexed

Anti-Tumour Antibiotics
- Bleomycin
- Doxorubicin ( + pegylated liposomal)
- Epirubicin
- Mitomycin
Plant Alkaloids/ Microtubule Inhibitors
- Cabazitaxel
- Docetaxel
- Eribulin
- Etoposide
- Irinotecan
- Paclitaxel
- Vincristine
- Vinorelbine

DNA Linking Agents
- Carboplatin
- Cisplatin
- Oxaliplatin

Biological Agents + Targeted Agents
- Afatinib
- Bevacizumab
- Cetuximab
- Crizotinib
- Denosumab
- Erlotinib
- Gefitinib
- Imatinib
- Nintedanib
- Pazopanib
- Pertuzumab
- Rituximab
- Sunitinib
- Sorafenib
- Trastuzumab
- Trastuzumab emtansine (TDM-1)
**Bisphosphonates**
- Pamidronate
- Zoledronic acid

**Immunotherapy**
- Ipilimumab
- Nivolumab
- Pembrolizumab

**Hormones/other**
- Abiraterone
- Anastrozole
- Bicalutamide
- Buserelin
- Cyproterone acetate
- Degarelix
- Enzalutamide
- Exemestane
- Fulvestrant
- Letrozole
- Medroxyprogesterone
- Octreotide
- Tamoxifen
- Anti-androgens - Bicalutamide, Cyptoterone acetate
- LHRH agonists - Goserelin, Leuprolin, Triptorelin