

2013 Oncology Nursing Drug Handbook

Route of administration Ali, Mohammed (2010). Medical-Surgical Nursing, 9th ed, Philadelphia: Lippincott, 2000. "Pulmonary Drug Delivery"; Handbook of Non-Invasive Drug Delivery Systems In pharmacology and toxicology, a route of administration is the way by which a drug, fluid, poison, or other substance is taken into the body

Routes of administration are generally classified by the location at which the substance is applied. Common examples include oral and intravenous administration. Routes can also be classified based on where the target of action is. Action may be topical (local), enteral (system-wide effect, but delivered through the gastrointestinal tract), or parenteral (systemic action, but is delivered by routes other than the GI tract). Route of administration and dosage form are aspects of drug delivery.

Karol Sikora Karol Sikora (born 17 June 1948) is a British physician specialising in oncology, who has been described as a leading world authority on cancer. He was Karol Sikora (born 17 June 1948) is a British physician specialising in oncology, who has been described as a leading world authority on cancer. He was a founder and medical director of Rutherford Health, a company that provided proton therapy services, and is Director of Medical Oncology at the Bahamas Cancer Centre

Fluorouracil PMC 5469441. 1188/14. 581-585. As a cream it is used for actinic keratosis, basal cell carcinoma, and skin warts. By intravenous injection it is used for treatment of colorectal cancer, oesophageal cancer, stomach cancer, pancreatic cancer, breast cancer, and cervical cancer. Clinical Journal of Oncology Nursing. doi:10. PMID 25253112 Fluorouracil (5-FU, 5-fluorouracil), sold under the brand name Adrucil among others, is a cytotoxic chemotherapy medication used to treat cancer. 18 (5): 581-585. CJON. dehydrogenase enzyme: implications for practice

Isavuconazonium is a prodrug of isavuconazole. Ipilimumab was approved by the US Food and Drug Administration in March 2011, for the treatment of melanoma, renal cell carcinoma (RCC), colorectal cancer, hepatocellular carcinoma, non-small cell lung cancer (NSCLC), malignant pleural mesothelioma, and esophageal cancer. It is undergoing clinical trials for the treatment of bladder cancer and metastatic hormone... Side effects of AG include lethargy, somnolence, dizziness, headache, appetite loss, skin rash, hypertension, liver damage, and adrenal insufficiency, among others. AG is both an anticonvulsant and a steroidogenesis inhibitor. In terms of the latter property, it inhibits enzymes such as cholesterol side-chain cleavage enzyme (CYP11A1, P450scc) and aromatase (CYP19A1), thereby... Cytotoxic T lymphocytes (CTLs) can recognize and destroy cancer cells. However, an inhibitory mechanism interrupts this destruction. Ipilimumab turns off this inhibitory mechanism and boosts the body's immune

response against cancer cells. The most common side effects include abnormal liver enzyme tests, nausea, vomiting, difficulty breathing, abdominal pain, diarrhea, injection site reactions, headache, low blood potassium, and skin rash.

Chemotherapy Aydiner A (June 2013). 17 (3): 255–60 Chemotherapy (often abbreviated chemo, sometimes CTX and CTx) is the type of cancer treatment that uses one or more anti-cancer drugs (chemotherapeutic agents or alkylating agents) in a standard regimen. Chemotherapy may be given with a curative intent (which almost always involves combinations of drugs), or it may aim only to prolong life or to reduce symptoms (palliative chemotherapy). “A comparison of men and women’s experiences of chemotherapy-induced alopecia”. European Journal of Oncology Nursing. Chemotherapy is one of the major categories of the medical discipline specifically devoted to pharmacotherapy for cancer, which is called medical oncology

Ipilimumab 2010 oncology nursing drug handbook. 1–. Jones & Bartlett Learning. Wilkes GM, Barton-Burke M (11 December 2009). pp. Ipilimumab, sold under the brand name Yervoy, is a monoclonal antibody medication that works to activate the immune system by targeting CTLA-4, a protein receptor that downregulates the immune system. ISBN 978-0-7637-8124-8. PMID 19648604

The World Health Organization (WHO) describes palliative care as:

Alkylating antineoplastic agent agent drugs Alkylating+antineoplastic+agents at the U. S. National Library of Medicine Medical Subject Headings (MeSH) Cancer Management Handbook: Principles An alkylating antineoplastic agent is an alkylating agent used in cancer treatment that attaches an alkyl group (C_nH_{2n+1}) to DNA

Side effects of use by injection are common. They may include inflammation of the mouth, loss of appetite, low blood cell counts, hair loss, and inflammation of the skin. When used as a cream, irritation at the site of application usually occurs. Use of either form in pregnancy may harm the fetus. Fluorouracil is in the antimetabolite and pyrimidine analog families of medications. How it works is not entirely... In the United Kingdom and the United States, clinical nurse specialists and nurse practitioners... Nurses develop a plan of care, working collaboratively with physicians, therapists, patients, patients' families, and other team members that focuses on treating illness to improve quality of life.

Aminoglutethimide 50–52 Aminoglutethimide (AG), sold under the brand names Elipten, Cytadren, and Orimeten among others, is a medication which has been used in the treatment of seizures, Cushing's syndrome, breast cancer, and prostate cancer, among other indications. AG is taken by mouth three or four times per day. pp. Jones & Bartlett Publishers. It has also been used by bodybuilders, athletes, and other men for muscle-building and performance- and physique-enhancing purposes. Wilkes GM, Barton-

Burke M (2013). 2014 Oncology Nursing Drug Handbook. ISBN 978-0-9828280-1-4. "Introduction to Chemotherapy Drugs" 2600abebc0

[A]n approach that improves the quality of life of patients and their families facing the problem associated with life-threatening illness, through the prevention and relief of suffering by means of early identification and impeccable assessment and treatment of pain and other problems, physical, psychosocial, and spiritual. Since the 1990s, many palliative care programs involved a disease-specific approach. However, as the field developed... 2600abebc0 He is currently Professor of Medicine at the University of Buckingham, and a partner in and dean of Buckingham's medical school. 2600abebc0

Nursing Nurses practice in many specialties with varying levels of certification and responsibility. Nursing professions can be separated Nursing is a health care profession that "integrates the art and science of caring and focuses on the protection, promotion, and optimization of health and human functioning; prevention of illness and injury; facilitation of healing; and alleviation of suffering through compassionate presence". There are shortages of qualified nurses in many countries. Nurses comprise the largest component of most healthcare environments. care perioperative oncology telenursing radiology emergency care Nurses with additional degrees allow for specialization 2600abebc0

Isavuconazonium 2147/IDR. S81416. PMID 27330318. 9: 79-86. It is taken by mouth or given via injection into a vein. doi:10. 2020-2021 Oncology Nursing Drug Handbook Isavuconazonium, sold under the brand name Cresemba, is a systemic antifungal medication of the triazole class which is used to treat invasive aspergillosis and mucormycosis. Wilkes GM, Barton-Burke M (2019). and Drug Resistance. It is used as the sulfate. PMC 4898026 2600abebc0

Since cancer cells, in general, proliferate faster and with less error-correcting than healthy cells, cancer cells are more sensitive to DNA damage—such as being alkylated. Alkylating agents are used to treat several cancers. However, they are also toxic to normal cells (cytotoxic), particularly cells that divide frequently, such as those in the gastrointestinal tract, bone marrow, testicles and ovaries, which can cause loss of fertility. Most of the alkylating agents are also carcinogenic. 2600abebc0 The term chemotherapy now means the non-specific use of intracellular poisons to inhibit mitosis (cell division) or to induce DNA damage (so that DNA repair can augment chemotherapy). This meaning excludes the more-selective agents that block extracellular... 2600abebc0

Palliative care 31 (5): 927-934. 927-934. "The hopes and wishes of adolescents with cancer and the nursing care that helps". 1188/04. Many definitions of palliative care exist. PMID 15378093 Palliative care (from Latin root palliare "to cloak") is an interdisciplinary medical care-giving approach aimed at optimizing quality of life and mitigating or reducing suffering among people with serious, complex, and often terminal illnesses. ONF. doi:10. Oncology Nursing Forum 2600abebc0

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