

Chemotherapy

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(cytotoxic)

(antineoplastic)
(systemic)

(Neoadjuvant)

() (adjuvant)



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(multiple drug resistance MDR)

(DNA)

(antimetabolites)
(antitumor antibiotic)

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(alkylating agents)
(plant alkaloids)

(alkylating agents)

.(Cyclophosphamide)

(antimetabolites)

(6-mercaptopurine)

.(5-fluorouracil 5FU)

(Cytarabine)

(doxorubicin)

:

.(bleomycin)

(mitomycin-C)

(Plant (vinca) alkaloids)

.(vinblastine)

(Vincristine)

:

(DNA-repair enzyme inhibitors)

(etoposide)

:

.(topotecan)



(Oral)

(Intramuscular IM)

(Subcutaneous SQ)

(Intralesional)

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(intrapleural

(Intrathecal

(ports)

(catheters)

(Topical)

(Intravenous IV)

(intracavitary)

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:

(Intraarterial)

(intraperitoneal

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(port)

(Gel caps)

(maintenance)

(cannula)

(intravenous)

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(EMLA cream)

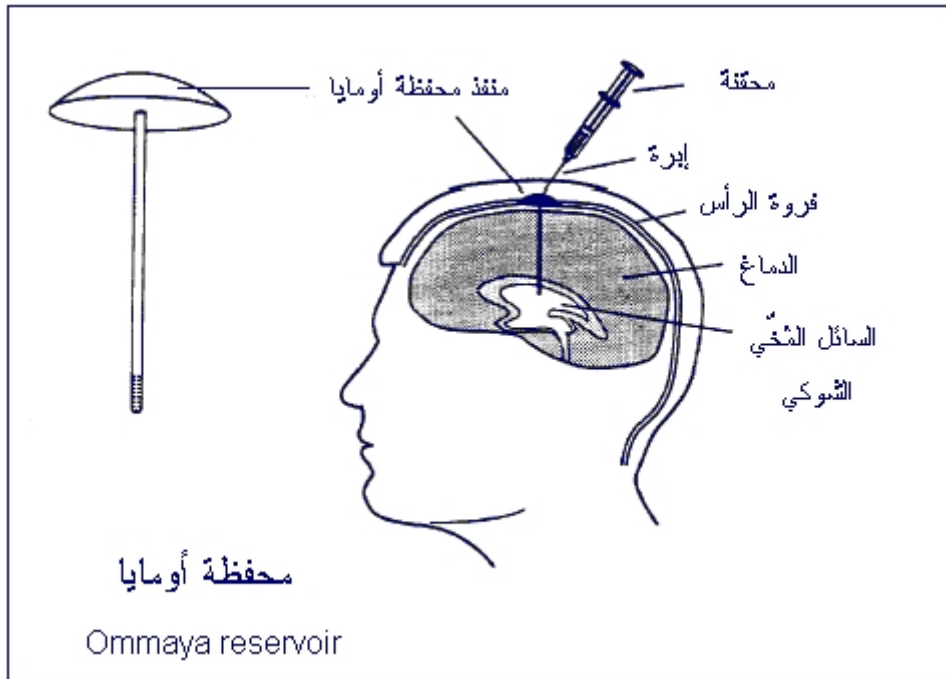
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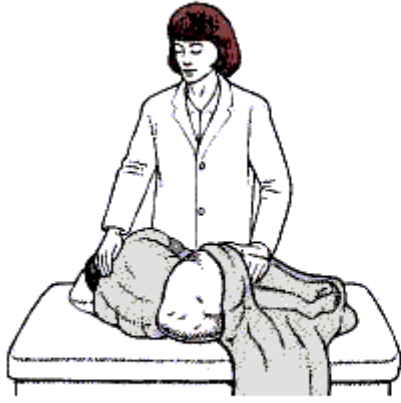
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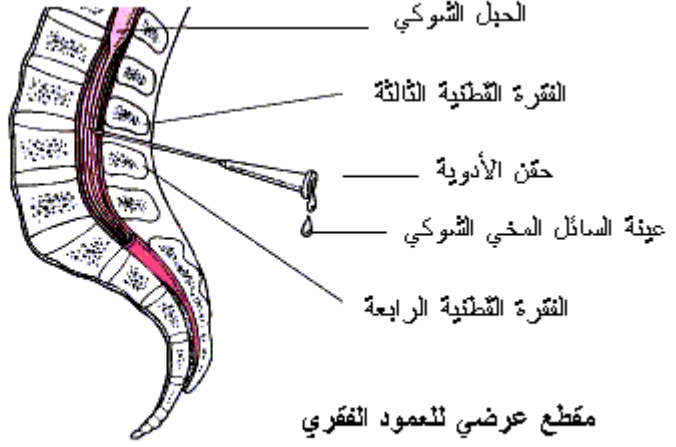
(Ommaya reservoir)

(Ommaya reservoir)

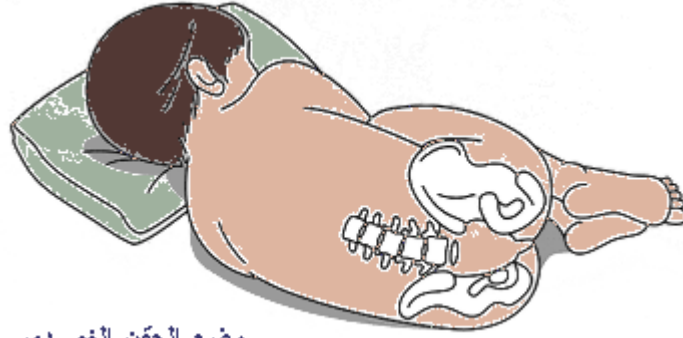




الحقن الـغـمـدي بالفقرات القطنية



مقطع عرضي للعمود الفقري



وضع الحقن الـغـمـدي

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(Glomerular filtration rate GFR)

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(creatinine)

(echocardiogram)

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(Tumor lysis syndrome)

(Uric acid)

(Allopurinol)

(Uricozyme)

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(neutrophils)

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(cyclophosphamide)
(hemorrhagic cystitis)

(Ifosfamide)

(Mesna)
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(Daunorubicin)

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(Idarubicin)

(fluid retention)



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(intrathecal)

(cognitive impairments)

(glaucoma)

(Prednisone)

(Dexamethasone)

(Hydrocortisone)

(osteoporosis)

(Carmustine)

(Hot flashes)

(Carmustine)

(Cyclophosphamide)

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(ectopic pregnancy)

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(Cardiovascular System)

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(anthracyclines)
(cardiovascular)

.(echocardiogram)

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(Daunorubicin)
(Mitoxantrone)

(Doxorubicin)
(Amsacrine) (Idarubicin)
(Cyclophosphamide)

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(Fludarabine)

(Pulmonary function)

(bronchodilators)

(shrinkage)

(hemorrhagic cystitis)

(fibrosis)

(Mesna)

(Carmustine)

(Mitoxantrone)

(Methotrexate)

(Idarubicin)

(Daunomycin)

(Amsacrine)

(Cirrhosis)

(Methotrexate)

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(Acute Myelogenous Leukemia)

(Cyclophosphamide)

(Etoposide)

2010-06-20 :

منشورات جمعية آدم لسرطان الطفولة

<http://www.adamcs.org>