

## Chemotherapy

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( cytotoxic )

( antineoplastic )  
( systemic )

( Neoadjuvant )

( ) ( adjuvant )



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(

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(



( multiple drug resistance MDR )

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( DNA )

( antimetabolites )  
( antitumor antibiotic )

:

( 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 )

)

( intrapleural

( Intrathecal

( ports )

( catheters )

( Topical )

( Intravenous IV )

( intracavitary )

)

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:

( Intraarterial )

( intraperitoneal

( )

( port )

( Gel caps )

( maintenance )

( cannula )

( intravenous )

:

( EMLA cream )

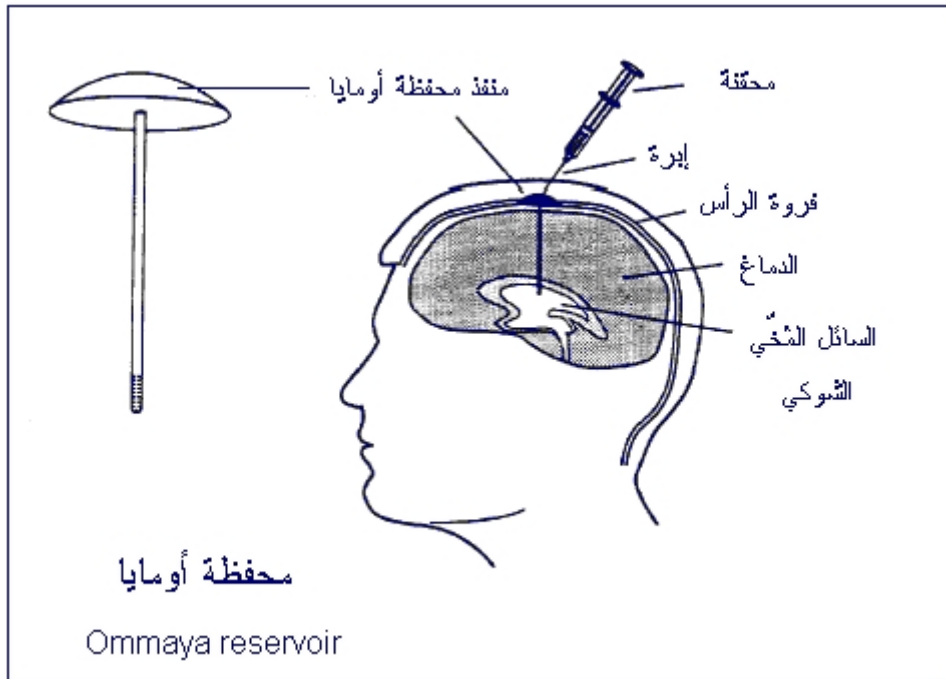
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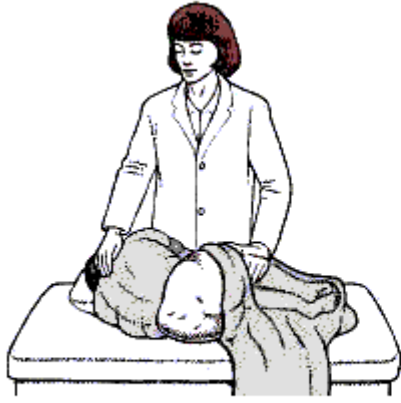
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( Ommaya reservoir )

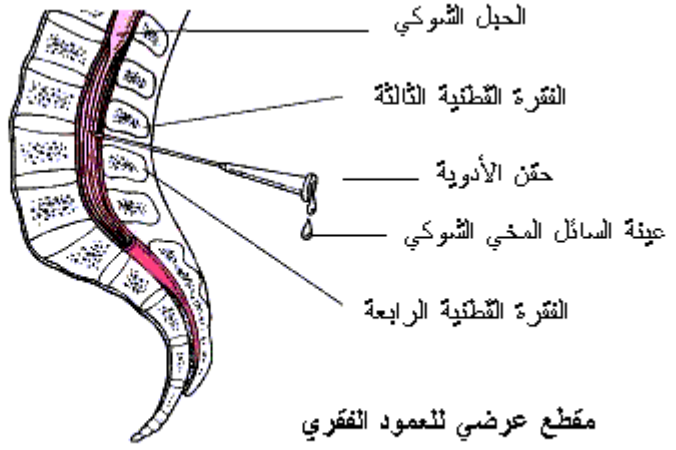
( Ommaya reservoir )



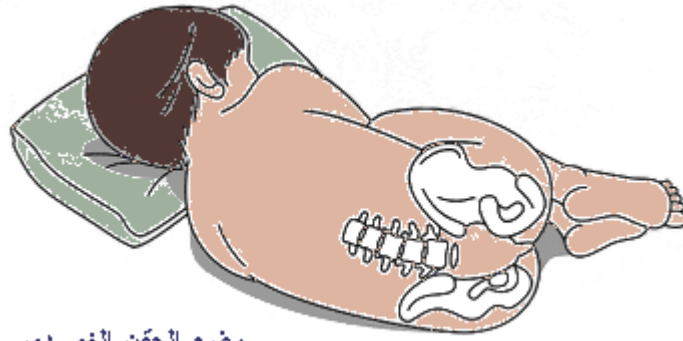




الحقن الـغمـدي بالفقرات القطنية



مقطع عرضي للعمود الفقري



وضع الحقن الـغمـدي

( )

:

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•

( Glomerular filtration rate GFR )

•

( creatinine )

( echocardiogram )

•

( Tumor lysis syndrome )

( Uric acid )

( Allopurinol )

( Uricozyme )

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% 12 % 3

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( cyclophosphamide )  
( hemorrhagic cystitis )

( Ifosfamide )

( Mesna )  
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( Daunorubicin )

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( Idarubicin )

( fluid retention )







.( )

( intrathecal )

( cognitive impairments )

( glaucoma )

( Prednisone )

( Dexamethasone )

( Hydrocortisone )

( osteoporosis )

( Carmustine )

( Hot flashes )

( Carmustine )

( Cyclophosphamide )

•

•

( ectopic pregnancy )

:

•

( Cardiovascular System )

•

( anthracyclines )  
( cardiovascular )

.( echocardiogram )

:

( Daunorubicin )  
( Mitoxantrone )

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

•

•

( Fludarabine )

•

( Pulmonary function )

( bronchodilators )

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•

( shrinkage )

( hemorrhagic cystitis )

( fibrosis )

•

( Mesna )

( Carmustine )

( Methotrexate )

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( Mitoxantrone )

( Idarubicin )

( Daunomycin )

( Amsacrine )

( Methotrexate )

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( Cirrhosis )

)  
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( Acute Myelogenous Leukemia )

( Cyclophosphamide )

( Etoposide )

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2010-06-20 :

منشورات جمعية آدم لسرطان الطفولة

<http://www.adamcs.org>