

Cerner Flash

04/27/2023

Lifetime Cumulative Dose Alerts Physician and Pharmacist Oncology dosing

Medications that have lifetime cumulative dose ranges are tallied within Cerner once they are administered to a patient. Currently the medications below are monitored. Cerner is unable to calculate the mg/m² total dose to create an order alert when a patient has gone above the lifetime max. Those medications must be manually calculated to validate the patient is still eligible for the next treatment.

Medications	Max Dose	LCD Units
Amphotericin B	5	g
Bleomycin	400	Units
Carmustine	1400	mg/m ²
DAUNOrubicin	550	mg/m ²
Daunorubicin liposomal-Cytarabine liposomal	550	mg/m ²
DOXOrubicin	500	mg/m ²
DOXOrubicin Liposomal	550	mg/m ²
epiRUBicin	550	mg/m ²
IDArubicin	290	mg/m ²
MitoMYcin	60	mg/m ²
mitoXANTRONE	140	mg/m ²

To check Lifetime Cumulative Dose:

From **Power Chart**

1. Go to **Orders** in the Navigation Menu
2. Open **Options** in the toolbar
3. Select **Add Lifetime Cumulative Drug Administration...**
4. Choose the desired drug from the drop-down menu

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M Lifetime Cumulative Dosing ✕

*Drug: *Dose: *Dose Units: *Height: *Height Unit: *Weight: *Weight Units:

*Date: *Physician: Comments:

Outside Administrations

Drug	Dose	Height	Weight	Date	Physician	Comments
DAUNOrubicin	0 mg	152 cm	62 kg	4/19/2023	Cerner Test, FSI Phys Cerner	Max dose 550 mg /m2
Total:	0 mg					

Administrations

Drug	Administered	Administered Date & Time	Ordered	Scheduled Date & Time	Order Id	Result Status
DAUNOrubicin + Sodium Chloride 0.9% 100 mL	71 mg	4/19/2023 12:44:00 EDT	71 mg	4/19/2023 12:43:00 EDT	2636780798	Auth (Verified)

Overall Total: 916 mg Edit Add Close

5. Evaluate the **Overall Total** at the bottom of the screen
 - a. Example: Overall Total dose = 916 mg; Patients BSA = 1.58 m²
 - i. LCD amount = 916 mg / 1.58 m² = **579 mg / m²**
 - ii. This test patient has gone above the lifetime cumulative dose for DAUNOrubicin and should not receive any more.