

### From the Office of Clinical Informatics Cerner Millennium Magnesium IV Replacement Protocol

October 9, 2023

Protocol PowerPlans are sets of orders that can be activated by the nurse based on specified clinical criteria. Regimens that often require replacement of magnesium have the Magnesium Protocol embedded as a sub-phase within the cycle orders.

### Viewing Available Protocol PowerPlan Orders

- **<u>STEP 1</u>**: Navigate to the **Orders** tab with the patient's chart.
- **<u>STEP 2</u>**: Go to the appropriate cycle of treatment for the regimen.
- **<u>STEP 3</u>**: Select the **Chemotherapy** phase.

### STEP 4: Turn on View Excluded Components. (This step is important!)

- Because Protocol PowerPlans contain a menu of orders that can be used if appropriate, they
  contain orders that have not yet been activated.
- It is necessary to pull the orders that have not yet been used into view. This is done using the
   View Excluded Components 2 button at the top of the orders window.



# STEP 5:In the ONCP Magnesium IV ReplacementProtocol sub-phase, click Show Details to viewavailable orders within the protocol.

## ONCP Magnesium IV Replacement Protocol...

### Parts of a Protocol PowerPlan

Because the protocols require that the patient meet certain inclusion criteria and that the patient be assessed for any exclusionary factors, most Protocol PowerPlans contain instructions.

### Pre-Treatment Metrics

- Lab values in the patient's chart will pull into these fields. This includes both labs resulted in the patient's chart as well as results documented on the Outside Labs PowerForm.
  - If a lab value meets the parameter, a **green checkmark** will display.
  - If a lab value does not meet the parameter, a **red X** will display.



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- Instructions, including inclusion/exclusion criteria, dosing guidelines, and other important details are denoted by a **post-it note** icon.
- The ONC Magnesium Protocol (IV) in the sub-phase will include additional protocol instructions.

CONCP Magnesium IV Replacement Protocol Adult	0 min
Hide Details  This IV Magnesium Protocol to be used ONLY in the all setting at NL Oncology clinics  Patients must have a creatinine clearance of at least 3 to be placed on the protocol  If a magnesium level is not ordered by the provider, the may order a NEW magnesium level  Nurse to determine correct dose of magnesium sulfate	mbulatory 0 mL/min nurse (based on
<ul> <li>Nurse to determine correct dose of magnesium sulfate following scale)</li> </ul>	(based on

magnesi	am sulfate (ONG	C Magnesium P	rotocol(IV))			
Compon 1 EA, Pro Cancer, F	ent: tocol(IV), MISC, toutine, *Est. 09/	Every 30 Minut /27/23, *Est. 09/	te Interval, PRN, /28/23, Future C	Magnesium Irder, Days 1	Protocol, Dia	agnosis:
Order Co	mment:					
For serun mL D5W	n magnesium le IVPB over 30 mi	evel: 1.0 - 1.1 m nutes) X 3 succ	g/dL - Dose: 1 g essive doses;	iram (1 gram	magnesium	sulfate/100
For serun mL D5W	n magnesium le IVPB over 30 mi	evel: 1.2 - 1.3 m nutes) X 2 succ	g/dL - Dose: 1 g essive doses;	ram (1 gram	magnesium	sulfate/10
For serun mL D5W	n magnesium le IVPB over 30 mi	evel: 1.4 - 1.7 m nutes) X 1 Dose	g/dL - Dose: 1 g e.	ram (1 gram	magnesium	sulfate/10
This IV M clinics.	agnesium Proto	ocol to be used	ONLY in the an	bulatory set	ting at NL Or	cology
Patients / Notify pr	must have a creater ovider if serum in	atinine clearand magnesium lev	e of at least 30 rel is less than 1	mL/min to b mg/dL or gr	e placed on t eater than 2.5	he protoco mg/dL.

- Available Inactive Orders
  - Orders that have not yet been activated display with an open checkbox on the left.
- Active/Previously Used Orders
  - Active orders display a checked gray box to the right and the name of the order displays as a blue hyperlink.





### Using Protocol PowerPlan Orders

Be sure to review all instructions, reference text, and evidence-based information before using protocol orders. It is important that the patient meets the criteria for the order before an order is activated.



- Activating an Available Inactive Order
  - Place a checkmark in the checkbox to the left of the order.

	🚱 Serum Magnesium Level: 1.0 - 1.1 mg/dL	
ୈତ	🔗 magnesium sulfate	0 min
	1 gm, Soln, IVPB, Every 30 Minute Interval, 3 Doses/Times, Infuse Over	r: 30 Minu
	"For serum magnesium level: 1.0 - 1.1 mg/dL - Dose: 1 gram IVPB ove	r 30 minu

- The **Ordering Physician** window will appear. The provider will default to the person who ordered the PowerPlan.
- Communication type is Protocol. Click OK.
- Unless otherwise specified within a PowerPlan, **do not modify** the Order Details when using a protocol.
- Click Orders for Signature.
- Click Sign.

SMITH - TEST04	, LANCE
Order Date/Tir	me
09/26/2023	🗘 🗸 1725 🗘 ED
Communicatio	n type
Verbal-Requi Fax Telephone-R Joint Practice Patient Care	re ires Read Back equires Read Back e Protocol, Active Protocol, Cosign Required sion Required
Proposal, Co	