

# Methylene Blue for Ifosfamide-induced Neurotoxicity [3433]

## Ordering Restrictions:

1. Methylene blue is contraindicated in pregnant women (pregnancy category X)
2. Methylene blue is contraindicated with other serotonergic medications (potent MAOI)
3. Methylene blue is contraindicated in patients with glucose-6-phosphate dehydrogenase deficiency

## General

## Nursing

## IV

## Medications

Methylene Blue 1% is the preferred pharmacy product, use methylene blue 0.5% only if 1% unavailable

### Medications (Single Response)

#### (X) Methylene Blue 1%

- Ifosfamide-induced Neurotoxicity Prophylaxis (Single Response)

Dose: Administer for the duration of the ifosfamide infusion

#### ( ) methylene blue 1% IV Push

	<u>Defaults</u>	<u>Available Buttons</u>
Dose:	<b>50 mg</b>	[50 mg]
Route:	<b>IV Push</b>	[IV Push]
Rate:		
Duration:	<b>for 5 Minutes</b>	[5 Minutes] [10 Minutes]
Frequency:	<b>every 8 hours</b>	[Q6H] [Q8H]
Frequency Start:		
Frequency Dose:		
Phase of Care:		
Administration instructions:	<b>Administer slow intravenous bolus over AT LEAST 5 minutes for duration of the ifosfamide infusion</b>	
Select ALL that apply: Which risk factors are present?		[Previous Ifosfamide-induced Neurotoxicity] [Serum creatinine GREATER than 1.7 mg/dL] [Serum albumin LESS than 3 g/dL] [Other]
Indications:		[methemoglobinemia]

<input type="checkbox"/> methylene blue 1 % infusion		<b><u>Defaults</u></b>	<b><u>Available Buttons</u></b>
	Dose:	<b>50 mg</b>	[50 mg]
	Route:	<b>intravenous</b>	[intravenous]
	Rate:		
	Duration:	<b>for 30 Minutes</b>	[30 Minutes]
	Frequency:	<b>every 8 hours</b>	[Q6H] [Q8H]
	Frequency Start:		
	Frequency Dose:		
	Phase of Care:		
	Administration instructions:	<b>Administer infusion over 30 minutes for duration of the ifosfamide infusion.</b>	
Select ALL that apply: Which risk factors are present?		[Previous Ifosfamide-induced Neurotoxicity] [Serum creatinine GREATER than 1.7 mg/dL] [Serum albumin LESS than 3 g/dL] [Other]	

Indications:

<input type="checkbox"/> methylene blue 1 % oral solution		<b><u>Defaults</u></b>	<b><u>Available Buttons</u></b>
	Dose:	<b>50 mg</b>	[50 mg]
	Route:	<b>oral</b>	[oral]
	Rate:		
	Duration:		[5 Minutes] [10 Minutes]
	Frequency:	<b>every 8 hours</b>	[Q6H] [Q8H]
	Frequency Start:		
	Frequency Dose:		
	Phase of Care:		
	Administration instructions:	<b>Give orally. May mix with fruit juice to mask the unpleasant taste for duration of the ifosfamide infusion.</b>	
Select ALL that apply: Which risk factors are present?		[Previous Ifosfamide-induced Neurotoxicity] [Serum creatinine GREATER than 1.7 mg/dL] [Serum albumin LESS than 3 g/dL] [Other]	

Indications:

Ifosfamide-induced Neurotoxicity Treatment (Single Response)

Dose: Administer until symptoms resolve

( ) methylene blue 1 % IV Push for Ifosfamide-induced Neurotoxicity Treatment		<b><u>Defaults</u></b>	<b><u>Available Buttons</u></b>
	Dose:	<b>50 mg</b>	[50 mg]
	Route:	<b>IV Push</b>	[IV Push]
	Rate:		
	Duration:	<b>for 5 Minutes</b>	[5 Minutes] [10 Minutes]
	Frequency:	<b>every 8 hours</b>	[Q4H] [Q8H]
	Frequency Start:		
	Frequency Dose:		
	Phase of Care:		
	Administration instructions:	<b>Administer slow intravenous bolus over AT LEAST 5 minutes until symptoms resolve</b>	
Select ALL that apply: Which risk factors are present?		[Previous Ifosfamide-induced Neurotoxicity] [Serum creatinine GREATER than 1.7 mg/dL] [Serum albumin LESS than 3 g/dL] [Other]	
Indications:			

( ) methylene blue 1 % infusion for Ifosfamide-induced Neurotoxicity Treatment		<b><u>Defaults</u></b>	<b><u>Available Buttons</u></b>
	Dose:	<b>50 mg</b>	[50 mg]
	Route:	<b>intravenous</b>	[intravenous]
	Rate:		
	Duration:	<b>for 30 Minutes</b>	[30 Minutes]
	Frequency:	<b>every 8 hours</b>	[Q4H] [Q8H]
	Frequency Start:		
	Frequency Dose:		
	Phase of Care:		
	Administration instructions:	<b>Administer infusion over 30 minutes until symptoms resolve.</b>	
Select ALL that apply: Which risk factors are present?		[Previous Ifosfamide-induced Neurotoxicity] [Serum creatinine GREATER than 1.7 mg/dL] [Serum albumin LESS than 3 g/dL] [Other]	
Indications:			

( ) methylene blue 1 % oral solution for Ifosfamide-induced Neurotoxicity Treatment - add to fruit juice to mask taste		<b><u>Defaults</u></b>	<b><u>Available Buttons</u></b>
	Dose:	<b>50 mg</b>	[50 mg]
	Route:	<b>oral</b>	[oral]
	Rate:		
	Duration:	<b>for 5 Minutes</b>	[5 Minutes] [10 Minutes]
	Frequency:	<b>every 8 hours</b>	[Q4H] [Q8H]
	Frequency Start:		
	Frequency Dose:		
	Phase of Care:		
	Administration instructions:	<b>Give orally. May mix with fruit juice to mask the unpleasant taste. Administer until symptoms resolve.</b>	
Select ALL that apply: Which risk factors are present?		[Previous Ifosfamide-induced Neurotoxicity] [Serum creatinine GREATER than 1.7 mg/dL] [Serum albumin LESS than 3 g/dL] [Other]	
Indications:			

( ) Methylene Blue 0.5%

[ ] Ifosfamide-induced Neurotoxicity Prophylaxis (Single Response)

Dose: Administer for the duration of the ifosfamide infusion

( ) methylene blue 0.5 % IV Push (RESTRICTED)		<b><u>Defaults</u></b>	<b><u>Available Buttons</u></b>
	Dose:	<b>50 mg</b>	[50 mg]
	Route:	<b>IV Push</b>	[IV Push]
	Rate:		
	Duration:	<b>for 5 Minutes</b>	[5 Minutes] [10 Minutes]
	Frequency:	<b>every 8 hours</b>	[Q6H] [Q8H]
	Frequency Start:		
	Frequency Dose:		
	Phase of Care:		
	Administration instructions:	<b>Administer slow intravenous bolus over AT LEAST 5 minutes for duration of the ifosfamide infusion</b>	
	Select ALL that apply: Which risk factors are present?		[Previous Ifosfamide-induced Neurotoxicity] [Serum creatinine GREATER than 1.7 mg/dL] [Serum albumin LESS than 3 g/dL] [Other]
	Indications:		[methemoglobinemia]

( ) methylene blue 0.5 % infusion (RESTRICTED)		<b><u>Defaults</u></b>	<b><u>Available Buttons</u></b>
	Dose:	<b>50 mg</b>	[50 mg]
	Route:	<b>intravenous</b>	[intravenous]
	Rate:		
	Duration:	<b>for 30 Minutes</b>	[30 Minutes]
	Frequency:	<b>every 8 hours</b>	[Q6H] [Q8H]
	Frequency Start:		
	Frequency Dose:		
	Phase of Care:		
	Administration instructions:		
	Select ALL that apply: Which risk factors are present?		[Previous Ifosfamide-induced Neurotoxicity] [Serum creatinine GREATER than 1.7 mg/dL] [Serum albumin LESS than 3 g/dL] [Other]
	Indications:		

<input type="checkbox"/> methylene blue 0.5% oral solution (RESTRICTED)	<b><u>Defaults</u></b>		<b><u>Available Buttons</u></b>	
	Dose:	<b>50 mg</b>	[50 mg]	
	Route:	<b>oral</b>	[oral]	
	Rate:			
	Duration:		[5 Minutes]	[10 Minutes]
	Frequency:	<b>every 8 hours</b>	[Once]	[Q6H] [Q8H]
	Frequency Start:			
	Frequency Dose:			
	Phase of Care:			
	Administration instructions:	<b>Give orally. May mix with fruit juice to mask the unpleasant taste for duration of the ifosfamide infusion.</b>		
Select ALL that apply: Which risk factors are present?		[Previous Ifosfamide-induced Neurotoxicity]	[Serum creatinine GREATER than 1.7 mg/dL]	[Serum albumin LESS than 3 g/dL] [Other]
Indications:				

Ifosfamide-induced Neurotoxicity Treatment (Single Response)

Dose: Administer until symptoms resolve

<input type="checkbox"/> methylene blue 0.5% IV Push for Ifosfamide-induced Neurotoxicity Treatment(RESTRICTED)	<b><u>Defaults</u></b>		<b><u>Available Buttons</u></b>	
	Dose:	<b>50 mg</b>	[50 mg]	
	Route:	<b>IV Push</b>	[IV Push]	
	Rate:			
	Duration:	<b>for 5 Minutes</b>	[5 Minutes]	[10 Minutes]
	Frequency:	<b>every 8 hours</b>	[Q4H]	[Q8H]
	Frequency Start:			
	Frequency Dose:			
	Phase of Care:			
	Administration instructions:	<b>Administer slow intravenous bolus over AT LEAST 5 minutes until symptoms resolve</b>		
Select ALL that apply: Which risk factors are present?		[Previous Ifosfamide-induced Neurotoxicity]	[Serum creatinine GREATER than 1.7 mg/dL]	[Serum albumin LESS than 3 g/dL] [Other]
Indications:				

( ) methylene blue 0.5 % infusion for Ifosfamide-induced Neurotoxicity Treatment (RESTRICTED)		<b><u>Defaults</u></b>	<b><u>Available Buttons</u></b>
	Dose:	<b>50 mg</b>	[50 mg]
	Route:	<b>intravenous</b>	[intravenous]
	Rate:		
	Duration:	<b>for 30 Minutes</b>	[30 Minutes]
	Frequency:	<b>every 8 hours</b>	[Q4H] [Q8H]
	Frequency Start:		
	Frequency Dose:		
	Phase of Care:		
	Administration instructions:	<b>Administer infusion over 30 minutes until symptoms resolve.</b>	
Select ALL that apply: Which risk factors are present?		[Previous Ifosfamide-induced Neurotoxicity] [Serum creatinine GREATER than 1.7 mg/dL] [Serum albumin LESS than 3 g/dL] [Other]	
Indications:			

( ) methylene blue 0.5 % oral solution for Ifosfamide-induced Neurotoxicity Treatment - add to fruit juice to mask taste		<b><u>Defaults</u></b>	<b><u>Available Buttons</u></b>
	Dose:	<b>50 mg</b>	[50 mg]
	Route:	<b>oral</b>	[oral]
	Rate:		
	Duration:	<b>for 5 Minutes</b>	[5 Minutes] [10 Minutes]
	Frequency:	<b>every 8 hours</b>	[Q4H] [Q8H]
	Frequency Start:		
	Frequency Dose:		
	Phase of Care:		
	Administration instructions:	<b>Give orally. May mix with fruit juice to mask the unpleasant taste. Administer until symptoms resolve.</b>	
Select ALL that apply: Which risk factors are present?		[Previous Ifosfamide-induced Neurotoxicity] [Serum creatinine GREATER than 1.7 mg/dL] [Serum albumin LESS than 3 g/dL] [Other]	
Indications:			

- VTE
- Labs
- Cardiology
- Diagnostic Imaging
- Other Diagnostic Studies
- Respiratory
- Rehab
- Consults