











ASHP Statement on the Pharmacist's Role in Hospice and Palliative Care

- Palliative care should be provided in conjunction with curative care at the time of diagnosis of a potentially terminal illness
- Palliative care alone may be indicated when attempts at a cure are judged to be futile
- Admissions to hospice and/or palliative care programs often come too late for optimal services to be provided
   Length of stay
  - × Mean: 50 days; Median: 25 days

ican Society of Health-System Pharmacists. ASHP sta h-Syst Pharm. 2002; 59:1770-3.







- Search for cause of symptom

   History, physical, laboratory (as appropriate)
- Treat underlying cause (if reasonable)
- Treat the symptom
- Re-evaluate frequently

### The Pharmacist's Responsibilities

- Providing efficient mechanisms for extemporaneous compounding of nonstandard dosage forms.
- Addressing financial concerns.

American Society of Health-System Pharmacists. ASHP statement on the phar Syst Pharm. 2002; 59:1770-3.

- Ensuring safe and legal disposal of all medications after death.
- Establishing and maintaining effective communication with regulatory and licensing agencies.

## Pharmacotherapy in Palliative Care

- Essential for many symptoms
- Non-symptom based drugs may be no longer appropriate or desired
- Data often limited
- Pharmacokinetic/pharmacodynamic differences
- Goals of treatment differ
- May need unusual routes of administration and/or dosage forms















































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Etiology	Pathophysiology	Therapy	
Meningeal Irritation	Increased ICP	Steroids	
Movement	Vestibular stimulation	Anticholinergics	
Mentation (anxiety)	Cortical	Anxiolytics	
Metastases • Cerebral • Liver	<ul> <li>Increased ICP</li> <li>Direct Chemoreceptor Trigger Zone (CTZ) effect</li> <li>Toxin buildup</li> </ul>	Steroids Mannitol Anti-Dopamineric Antihistamine	
Motility	GI tract, CNS	Prokinetic agents Stimulant laxatives	



Managing N/V		
Etiology	Pathophysiology	Therapy
Metabolic • Hepatic/renal failure • Hypercalcemia	СТZ	Anti-dopaminergic Antihistamines Rehydration Steroids
Mechanical Obstruction	Constipation, tumor, fibrotic stricture	<ul> <li>Treat constipation</li> <li>Reversible: surgery</li> <li>Irreversible: Manage fluids; decrease oral intake; octreotide</li> </ul>
Medications • Opioids • Chemotherapy	CTZ Vestibular effect Gl tract	Anti-dopaminergic Antihistamines Anticholinergics Prokinetic agents Anti-5HT3 Steroids





Advance Directives			
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Document	Description		
Substantive Directives <ul> <li>Living will</li> <li>Five wishes</li> <li>Personal wishes statement</li> </ul>	Allows a patient to specify wishes for future care May include a section to designate a proxy decision maker		
Process Directives <ul> <li>Health care power of attorney</li> <li>Heath care proxy</li> <li>Durable power of attorney for health care</li> </ul>	Designates a surrogate decision-maker Does not specify wishes for care		
Physician Orders for Life Sustaining Treatment	Physician orders regarding CPR, antibiotics and artificial nutrition/hydration Travels with a patient and is legally valid as an order in transit		
Code status	Specifies whether to perform CPR in event of decompensation		

















## Self-Assessment

#### • Which of the following is false regarding most Physician Orders for Life Sustaining Treatment (POLST) forms?

- They contain orders regarding CPR
- They contain orders regarding artificial nutrition/hydration
- They contain orders regarding antibiotics
- They contain orders regarding care of delirium

## 5 Things to Say Before Death

- I love you
- Please forgive me
- I forgive you
- Thank you
- Good-bye

Boyock I. The Four Things That Matter Most: A Book About Living. 2004

# Good-Bye For Now

- In my Father's house are many mansions: if it were not so, I would have told you. I go to prepare a place for you. And if I go and prepare a place for you, I will come again, and receive you unto myself; that where I am, there ye may be also. John 14: 2-3 (KJV)
- And God shall wipe away all tears from their eyes; and there shall be no more death, neither sorrow, nor crying, neither shall there be any more pain: for the former things are passed away. Rev 21:4 (KJV)



## Palliative Care and End of Life Issues: A pharmacist's perspective

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6-14-14