

ASSESSMENT AND CARE OF THE DYING PATIENT

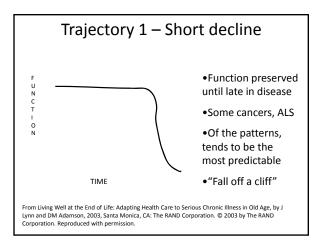
Daniel Maison, MD FAAHPM Spectrum Health Grand Rapids, MI

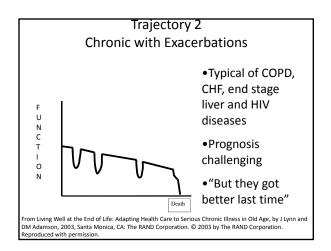
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AAHPM Intensive Board Review Course	
Care of the	
Imminently Dying	
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Daniel Maison, MD FAAHPM Medical Director, Palliative Care Spectrum Health	
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Disclosure Information	
Daniel Maison, MD FAAHPM	
Has no relevant financial relationships to disclose.	
Construction Broken]
Scope of the Problem	
20% of us will die suddenly – Sudden Death	
Acute Illness/Trauma80% of us will die from a chronic illness	
Heart Disease	
CancerCOPD	
– Dementia	
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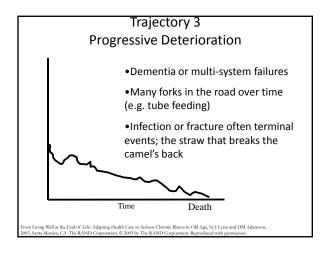
Why is knowing how to care	
for these patients so important? • Many of our colleagues do not know how	
May be when we are called in	
- We may only have hours to do our work	
Many commonly experienced symptoms can be	
incredibly challenging and distressing for patients and their families	
and their families	
Common things happen commonly	
Much of what we do in this phase of life is	
educating families	
 Helping them understand what to expect and understand what usually happens can be 	
tremendously helpful in their coping at this	
difficult time	
 Give them the tools to anticipate what they might see and experience 	
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Good Summary	
Clinical Practice Guidelines for Quality Palliative Care (Second Addition) for the National Consequent	
Care (Second Addition) for the National Consensus Project For Quality Palliative Care	-
Domain 7: Care Of The Imminently Dying Patient	

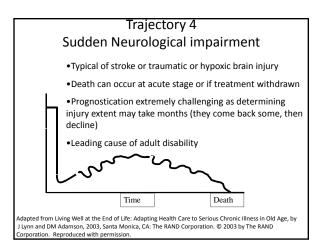
Signs of Impending Death

- Cancer (Trajectory 1)
 - Bedbound
 - Increasing somnolence
 - Little po intake
- CHF (Trajectory 2)
 - No identifiable reversible precipitant
 - No response to diuretics, inotropes, etc.
 - Deteriorating renal function
- Dementia or "brain failure" (Trajectory 3 or 4)
 - Weight loss
 - Repeated admissions for infections
 - "Skin failure" decubitus ulcers, etc.









Remember death is rarely perceived as routine by family

- Much of what you will be doing is education families (and staff) on what to expect and what we will be doing to ensure comfort
- Every change may be perceived as an emergency
- Expected changes in
 - Level of Consciousness
 - Urine Output
 - Secretions (e.g. "Death Rattle")

Routine Management: Constitutional	
Asthenia	
Fatigue	
Autonomic Dysregulation	
Autonomic Bysregulation	
Routine Management: HEENT	
Dry eyes	
Dry mouth	
Pooled oral secretions	
– Positioning	-
- Suctioning	
– Education	
Routine Management: Gastrointestinal	
Dysgeusia	
Dysphagia/Odynophagia	
• Anorexia	
Loose stools/Diarrhea	
Constipation	

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Routine Management: Cardiovascular	
Hypotension/Hypertension	
ArrhythmiasCongestive heart failure	
Cool extremities, decreased urine output	
Routine Management: Pulmonary	
Increased secretionsMedications	
 Anticholinergics 	
Pulmonary edemaCardiogenic	
Non-cardiogenicBronchospasm	
Dyspnea versus Tachypnea	
Routine Management: CNS	
Cognitive Failure	
SomnolenceConfusion	
Hypoactive deliriumSeizures	
 Is patient on a medication they will not be able to take 	
close to death?	

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Routine Management: Skin	
Mottling	
Skin BreakdownOstomy management	-
Wound managementDressing change	
 Management of odor etc. 	
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And when things don't go as planned?	
Do your best to expect the unexpected	
 Ask the whole team, "what do you think might go wrong?" 	
Established protocols for acute crises The last hours will be what the family remarkers.	
 The last hours will be what the family remembers (often for years to come) 	
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Some things to anticipate	
Patient will lose the ability to take orals	
— Do you have a back-up plan? — Cablianed.	
SublingualSuppositories	
• Subcutaneous	
• Intravenous	
• Transdermal (may not be reliable)	

What Could Go Wrong? Cardiopulmonary	
Acute dyspnea	
Pulmonary embolus	
–Bronchospasm	
–Congestive heart failure	
–Pulmonary hemorrhage	
What Could Co Wrong?	1
What Could Go Wrong? Cardiopulmonary	
Ischemic chest pain	
–Acute coronary syndrome	
–Myocardial infarction	
Defibrillator malfunction	
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What Could Go Wrong? Central Nervous System	
Severe anxiety or panic attacks	
• Seizures	
Agitated Delirium	
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What Could Co Wrong?	1
What Could Go Wrong? Gastrointestinal	
Bowel Obstruction	
Intractable Nausea and Vomiting	
Hemorrhage	
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What Could Go Wrong? Family and Caregivers	
Anxiety	
Depression and suicide risk	
Complicated grief	
• Spiritual crisis	
Spiritual oriois	
Time course towards the end	
Depending on the patient, the pace of change can vary significantly	
There are recognized patterns of decline	
 Again, knowledge is power and helping patients and families understand what can happen is often 	
reassuring as things progress • "How long do I have?"	

Altered states of consciousness

- Delirium acute onset, often fluctuating syndrome of disordered cognition and attention with disturbances of behavior and perception.
- Coma state of being totally unaware of self and surroundings and inability to respond meaningfully to external stimuli.

Vegetative State

- Vegetative state –complete unawareness of self and environment but able to breathe spontaneously, maintain stable circulation, and eye closure cycles that may simulate sleep and waking.
 - Persistent vegetative state present one month after injury
 - Permanent vegetative state present 12 months or longer

Brain Death

- Irreversible cessation of all functions of the entire brain including the brainstem.
- Diagnosis requires:
 - apneic coma due to irreversible structural brain damage,
 - clinical tests that show no pupillary, corneal, vestibular, motor, gag or respiratory reflexes, and
 - Absence of hypothermia ≤35° C or any possibility of the coma being a result of
 - Sedatives, poison, neuromuscular blockers, metabolic or endocrine disturbance, or
 - Profound disturbance of electrolytes, glucose, or acid-base balance.

Conclusions	
 Effective care of the imminently dying is a critical component of Palliative Medicine Anticipate the expected and communicate 	
this to families	
 Do your best to anticipate the unexpected and have a plan 	
THANK YOU	