

Coping with Cancer-Related Fatigue

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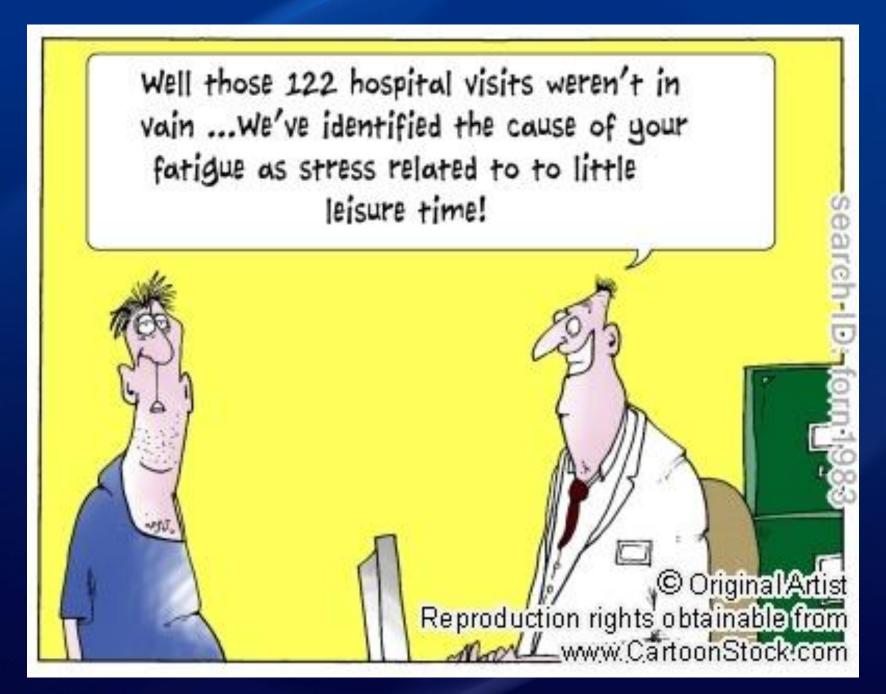
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Objectives

- Review Palliative Care
- Define cancer-related fatigue
- Review the complexity, prevalence and pathophysiology of fatigue
- Discuss management strategies for cancerrelated fatigue



Definition of Palliative Care

An approach that improves the quality of life of patients and their families facing the problems associated with life-threatening illness, through the prevention and relief of suffering by means of early identification and impeccable assessment and treatment of pain and other problems, physical, psychosocial and spiritual.



Palliative Care vs. Hospice

Hospice

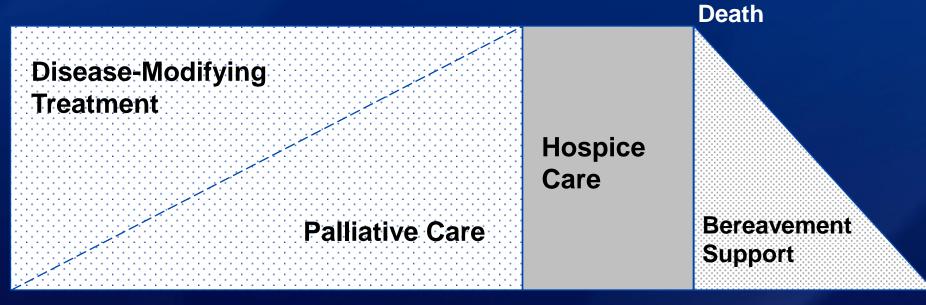
- Prognosis of 6 months
- Medicare / Insurance benefit
- Limited diagnostics
- Limited hospitalization
- Goals are often defined
- Provides care at home
- Provides equipment
- Provides medications
- Symptom focused
- Care for patient and family

Palliative Care

- Starts at time of diagnosis
- Not an insurance entity
- Concurrent with diseasedirected care
- Hospitalization
- Assist with defining goals
- Limited home care
- No provision for DME
- No provision for medications
- Symptom focused
- Care for patient and family



Continuum of Care



Terminal Phase of Illness



Image obtained from ELNEC Core Curriculum

Symptoms and Suffering

- Symptoms create suffering and distress
- Requires interdisciplinary teamwork
- Ongoing assessment and evaluation
- Psychosocial intervention is key to complement pharmacologic strategies



Common Symptoms

- Shortness of Breath
- Fatigue
- Loss of Appetite
- Nausea/Vomiting
- Constipation

- Anxiety/Depression
- Poor Sleep





Image obtained from ELNEC Core Curriculum

Cancer-Related Fatigue

Who? What? Where? Why? How?



Definition of Cancer-Related Fatigue

- "A persistent, subjective sense of physical, emotional, or cognitive tiredness related to cancer or its treatment that interferes with usual functional capacity"
- Different from fatigue of daily life
- Complex, multidimensional
- Can span all stages of cancer
 - Diagnosis
 - Treatment
 - Disease free survival
 - Advanced and end stage disease



ACS, 2016c; Campos et al., 2011

Prevalence

- Reported in 60-98% of patients with malignancy
- All cancer is not the same
 - Variability of cancer populations and span of disease
 - Variability of treatment—chemotherapy, radiation
 - Comorbidities
 - Deconditioned
 - Inadequate income or insurance

Donnelly et al., 1995; Berger, 2007

Quality-of-Life Model

Physical

Functional Ability
Strength/Fatigue
Sleep & Rest
Nausea
Appetite
Constipation
Pain

Psychological

Anxiety
Depression
Enjoyment/Leisure
Pain Distress
Happiness
Fear
Cognition/Attention

Quality of Life

Social

Financial Burden
Caregiver Burden
Roles and Relationships
Affection/Sexual Function
Appearance

Spiritual

Hope
Suffering
Meaning of Pain
Religiosity
Transcendence



Causes of Fatigue

- QUESTION:
 - Is fatigue a bad sign??
- MANY....
 - Tumor byproducts
 - Biological response modifiers
 - Chemotherapy/radiation effect
 - Cachexia
 - Deconditioning/muscle loss
 - Drug effect—opioid-induced sedation
 - Hypothyroidism
 - Hypogonadism

- Electrolyte abnormalities
- Chronic infection
- Emotional distress
- Cognitive changes
- Anemia
- Sleep disturbances
- Pain
- Nutritional issues
- Alcohol/substance abuse

ACS, 2016b

Signs of Cancer-Related Fatigue

- Persistent
- Lasting weeks
- Interferes with ability to complete everyday tasks
- Feeling weak, tired, exhausted
- Unrelated to activity
- More tired than usual during an activity

- Impaired ability to perform daily activities
- Doesn't improve with rest
- Spending more time in bed than up

- Symptom doesn't get better, keeps coming back or becomes severe
- SPEAK UP ©



MFMER, 2017

Assessment Tools

Edmonton Symptom Assessment Scale

Please circle the	num	ber ti	hat b	est d	escri	bes h	ow y	ou fe	el No	OW:		
No Pain	0	1	2	3	4	5	6	7	8	9	10	Worst Possible Pain
No Tiredness (Tiredness = lack of	0 energy,	1	2	3	4	5	6	7	8	9	10	Worst Possible Tiredness
No Drowsiness (Drowsiness = feelin	0 g sleep	1	2	3	4	5	6	7	8	9	10	Worst Possible Drowsiness
No Nausea	0	1	2	3	4	5	6	7	8	9	10	Worst Possible Nausea
No Lack of Appetite	0	1	2	3	4	5	6	7	8	9	10	Worst Possible Lack of Appetite
No Shortness of Breath	0	1	2	3	4	5	6	7	8	9	10	Worst Possible Shortness of Breath
No Depression (Depression = feeling	O g sad)	1	2	3	4	5	6	7	8	9	10	Worst Possible Depression
No Anxiety (Anxiety = feeling ne	0 rvous)	1	2	3	4	5	6	7	8	9	10	Worst Possible Anxiety
Best Wellbeing (Wellbeing = how yo	0 u feel o	1 werall)	2	3	4	5	6	7	8	9	10	Worst Possible Wellbeing
No Other Problem (fo	0 or exam	1 iple co	2 nstipa	3 tion)	4	5	6	7	8	9	10	Worst Possible
nt's Name			50000							□ Pi	atient amily car ealth car	y (check one): regiver re professional caregiver -assisted

Functional Assessment of Chronic Illness Therapy - Fatigue

Functional Assessment of Chronic Illness Therapy (FACIT) Fatigue Scale (Version 4)

Below is a list of statements that other people with your illness have said are important. Please circle or mark one number per line to indicate your response as it applies to the past 7 days.

13/1		Not At All	A Little Bit	Somewhat	Quite a Bit	Very Much
1	I feel fatigued	0	1	2	3	4
2	I feel weak all over	0	1	2	3	4
3	I feel listless ("washed out")	0	1	2	3	4
4	I feel tired	0	1	2	3	4
5	I have trouble <u>starting</u> things because I am tired	0	1	2	3	4
6	I have trouble <u>finishing</u> things because I am tired	0	1	2	3	4
7	I have energy	0	1	2	3	4
8	I am able to do my usual activities	0	1	2	3	4
9	I need to sleep during the day	0	1	2	3	4
10	I am too tired to eat	0	1	2	3	4
11	I need help doing my usual activities	0	1	2	3	4
12	I am frustrated by being too tired to do the things I want to do	0	1	2	3	4
13	I have to limit my social activity because I am tired	0	1	2	3	4

Scoring: Items are scored as follows: 4=Not At All; 3=A Little Bit; 2=Somewhat; 1=Quite A Bit; 0=Very Much, EXCEPT items #7 and #8 which are reversed scored. Score range 0-52. A score of less than 30 indicates severe fatigue. The higher the score, the better the quality of life.

Item Number	Reverse Item?		Item Response	Item Score
1	4	-8	5 - 1 - 5e15-54	=
2	4			=
3	4	20		=
4	4	-88		=
5	4			=
6	4	2 50		=
7	0	+		=
8	0	+		=
9	4			1 =
10	4	200		
11	4	-23		=
12	4	-		=
13	4			

Sum individual item scores:	
Multiply by 18:	
Divide by number of items answered:	_



Testing

- Rule out reversible causes
 - Anemia
 - Thyroid dysfunction
 - Electrolyte abnormalities
 - Poor sleep
 - Depression
 - Pain
 - Existential distress



Testing

- Physical exam
- Medial history
- Treatments received
- Current medications
- Blood tests
 - Complete blood count
 - Comprehensive metabolic panel



Treatment

- No gold standard treatment
- Recommendations are based on active treatment vs survivorship

- QUESTION:
 - Does exercise IMPROVE or WORSEN fatigue?



Treatment

- Physical activity/exercise
- Energy conservation techniques
- Psychosocial
- Mind-body
- Cognitive behavioral therapy
- Nutritional consultation
- Pharmacological options
- Education



Bower, 2014; Tomlinson et al., 2014

Physical Activity & Exercise

- Less emotional distress
- Decreased sleep disturbance
- Improved functional capacity
- Better quality of life

- Moderate aerobic exercise 150 minutes per week
 - Fast walking, cycling, swimming
- Strength training 2 3 sessions per week

Get MOVING ©





Energy Conservation

- "Money bank"
- Pace yourself
- Alternate between periods of activity and rest
- Prioritize
- Focus on things you enjoy doing
- Be realistic with yourself



Escalante, 2017; UpToDate, 2017b; ACS, 2016a

Sleep Hygiene

- Too much/too little
- Consistent sleep routine
- Limit naps: 30 60 minutes
- Address contributing factors
- Relaxation techniques
- Sleep aids



UpToDate, 2017a; Escalante, 2017

Stress Reduction

- Massage/healing touch
- Guided imagery
- Relaxation breathing
- Cognitive behavioral therapy
- Meditation
- Support groups



Escalante, 2017; ACS, 2016a

Meditation Activity

- CALM app
 - 5 minutes





Pharmacological Options

- Psychostimulants
 - Methylphenidate (Ritalin)
 - Modafinil (Provigil)
- Steroids
 - Dexamethasone
 - Prednisone
- Antidepressants
 - Only if depressive symptoms present
- Erythropoietin-stimulating agents
 - Treatment related anemia; Hgb<10 mg/dL
- Vitamins/herbal supplements



Education

- Use your resources
- Communicate with your healthcare team
- Find a local IWMF Support Group and attend meetings regularly



Key Points

- Fatigue is the most common medical issue reported by patients
- Managing fatigue is part of good cancer care
- A multi-modal approach to fatigue management is best
- Many of the best options for fatigue management are in YOUR control



IWMF, 2016; ACS, 2016c

Where Do I Fit In?

- Talk with your providers
- Educate yourself, family/friends and others
- Take active role in your plan of care
- Attend the annual IWMF Educational Forums





Questions & Discussion

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