

Unique challenges in the Oncologic Pain Patients with substance use disorders: Scope of the problem

Lakshmi Koyyalagunta, MD Professor Pain Medicine



How Common is Cancer Pain?

Prevalence







Van den Beuken-van Everdingen et al. J Pain Symtom Manage (2016) 51:1070



Who Is a Cancer Survivor? A Systematic Review of Published Definitions

- There is not a unique definition of who is a cancer survivor and what is cancer survivorship.

- what is cancer survivorship.

 NCI: patients with a history of cancer who are beyond the acute diagnosis and treatment phase

 ACS: "long term cancer survivor" as any patient who has survived 5 years or more following a diagnosis of cancer.

 NCCN: an individual is considered a cancer survivor form the time of diagnosis, to the balance of his or her life

 The most widely used definition: a process that begins at the moment of diagnosis and continues through the balance of life.

Association Between Tobacco Use, Pain Expression, and Coping Strategies Among Patients With Advanced Cancer		
Rony Dev. DO ^{QQ} ¹, Yu Jung Kim, MD, PhD [†] , Akhila Reddy, MD ^{QQ} ¹, David Hui, MD ^{QQ} ¹, Kimberson Tanco, MD [†] Diane Liu, MS [†] , Minjeong Park, MS [†] , Janet Williams, MPH, CCRP [‡] , Cindy Carmack, PhD [†] , and Eduardo Bruera, MD [†]		
 Prospectively enrolled patients with advanced cancer Among 399 patients, 49% were never-smokers, 40% were former smo and 11% were current smokers 	kers,	
Current smokers demonstrated: Cinificantly high analyses and the binary of annulations of annulations.		
 Significantly higher pain scores at the time of consultation Increased morphine equivalent daily dose 		
Positive on the Cut down/Annoyed/Guilty/Eye opener questionnaire Positive on the Screener and Opioid Assessment for Patients with Pai short form survey	in-	
More likely to cope maladaptively with substance use	THE SHIPMENTY OF TRANS	
Cancer 2019;125:153-160	MDAnderson Caneer Center	
262 James of Prins and Symptom Hamagement 566, 51 No. 4 April 2016		
Brief Report		
Association Between Tobacco Use, Symptom Expression, and Alcohol and Illinic Drug Use in Abstraced Cancer Patients 19 June 18, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19		
 Retrospective review of 300 consecutive advanced cancer 		
patients • 119 (40%) were never smokers, 148 (49%) former		
smokers, and 33 (11%) current smokers. • Current smokers reported significantly higher pain		
expression than former and never (P< 0.02)		
 Higher CAGE positivity (P < 0.001) History of illicit drug use (P < 0.001). 		
 Author conclusion: smoking history may be a indicator of opioid misuse. 		
of opioid misuse.	MDAnderson Cancer Center	
	Making Cascer Wilescop*	
Cauce: 2011 Outside: 1; 17(1)/9; 4591-4556, doi:10.1000/mcz.2000. Undocumented Alcoholism and its Relationship with Tobacco		
and Illegal Drug Use in Advanced Cancer Patients		
Reng Dyn, D.O., Herrigue, A.P., Steans Plant, M.S., 'L. Lynn Primer, Ph.D.', Ecode Del Fabbe, M.D. and Edward Beners, M.D. ■ 100 of 598 patients (17%) were CAGE-positive.		
 Only 13 of 100 patients (13%) in that CAGE-positive group had been identified as alcoholics before their palliative care consultation! 		
 Compared with CAGE-negative patients, CAGE-positive patients were: younger 		
 predominantly men history of tobacco use 		
 actively using nicotine history of illegal recreational drug use 		
Higher dosages of opioids Authors conclusions: CAGE-positive patients were more likely to have a history of or to actively engage in smoking and illegal regressional days.		
history of, or to actively engage in, smoking and illegal recreational drug use, placing them at risk for inappropriate opioid escalation and abuse.	MD Anderson	
	Cancer Center Matog Cancer Henry	



- · A total of 432 patients were evaluated
- 76 patients (18%) were diagnosed as chemically coping
- · Documentation of chemical coping in the medical records was reported for only 15 patients (4%).
- Significant predictors of chemical coping by protocol definition:
- CAGE positivity
- Younger age
- Higher pain scores

CONCLUSION: Need for better and safer ways for physicians to assess and report chemical coping are needed.

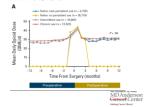
2015 Jun;20(6):692-7. doi: 10.1634/theoncologist.2015-0012. Epub 2015 May 1.



JOURNAL OF CLINICAL ONCOLOGY

New Persistent Opioid Use Among Patients With Cancer After Curative-Intent Surgery

- New persistent opioid use (opioid naive patients using opioids 90-180 days after surgery) 68,463 eligible patients
 The risk of new persistent opioid use was 10.4% (6% to 8% undergoing non cancer procedures)
 Risk of new persistent opioid use in patients receiving adjuvant chemotherapy was 15% to 21%. One year after surgery, these patients continued filling prescriptions with daily doses similar to chronic opioid users,.



Original Research	O UNIO ATTOM
Persistent Postoperative Opioid Use in Older Head and Neck Cancer Patients	Ossergelog- lead and NoClargey 1-8 Charrise Andrey of Delaying Food and No Sugar Translation 2016 Reprint and particular agend complementaries assessed
Aninuth Saraswathsia ¹ , Hichelle M. Chen, HD, NHS ² , Seshadri C. Hadumbai, MD ^{3,4} , ASco S. Whittemore, PhD ¹ , and Yasu Divi, MD ²	BSACE

- Retrospective cohort study.
- Subjects: patients with HNC from 2008 to 2013, underwent primary surgical resection for their cancers.
- Primary outcome was PPO (persistent post-operative opioid) use, defined as new opioid prescriptions 90 to 180 days postoperatively.
- of the 1190 eligible patients with HNC, 866 (72.8%) received opioid prescriptions attributable to their surgery.
- Prevalence of PPO use was 33.3% overall; it was 48.3% among patients with preoperative opioid use compared to 18.5% among opioid-naive patients
- Other factors associated with PPO use include postoperative radiotherapy, and Charlson comorbidity index



Risk of opioid misuse in the vulnerable	
Chemical copers(~20%)	
Alcohol(6.2%)Nicotine(>50%)	•
Other illicit drug(?%)Other risk factors(anxiety, depression)	
1	
Exposure to opioids during active disease in a vulnerable	
 pt., at a vulnerable time Opioids can have a double effect resulting in drug-seeking behaviors 	-
Deliaviors	
Michael Profession MID Anderson Cancer Center Hate Cantillary	
Substance Abuse and Rehabilitation 2015 Jun 27:71-9. doi: 10.2147/SAR.585409. eCollection 2016.	
Identifying and assessing the risk of opioid abuse in patients with cancer: an integrative review	
 34 articles met criteria, including case studies, case series, retrospective observational studies, and narrative review. 	
Screening questionnaires and urine drug screens indicated at least one in five patients (20%) with cancer may be at risk	
of opioid-use disorder!!!	-
 Several studies demonstrated associations between high- risk patients and clinical outcomes, such as aberrant behavior, 	
prolonged opioid use, higher morphine-equivalent daily dose, greater health care utilization, and symptom burden.	
MIDAnderson Canes -Center	
Mility Carter Heavy*	-
Psychosomatics Automotive for June 2010	
Activities 1NOTE 1	
and Correlates Nationally in the Department of Veterans Affairs	
Data used to compare veterans with both cancer and co-morbid SUD to veterans with cancer but no SUD and those with SUD but no cancer.	
Of the 5,452,308 veterans who used VHA services in FY 2012, 482,688 (8.85%) received a cancer diagnosis and 466,726 (8.56%) received a diagnosis of SUD	
Of 482,688 veterans with cancer diagnoses, 32,037 (6.64%) had a comorbid	
SUD diagnosis. /eterans with cancer and SUD had more medical and psychiatric disorders,	
greater risk of homelessness and greater use of both mental and medical nealth services.	
The cancer-SUD group had higher rates of hepatic disease and received a MDAddeson Greater number of opioid prescriptions	

Cancer			
2016 Dec 1;122(23):3732-3739. do	i: 10.1002/cncr.30240. Epub 2016 Aug 10		
Original Article			
Frequency, Predictors, and Outcomes Among Patients With Advanced Can	of Urine Drug Testing		
Therapy at an Outpatient Suppo	ortive Care Clinic		
Jacobi A Article MC1 Straps Edwards MC1 Zhawa Lu, MM1 Sarchi M Dame Liu, MC1 Jarest L. Williams MM1 COM7 and • Retrospective chart review of			
 Sixty-one patients who were 	e receiving chronic opioid therapy and underwent		
UDTs were identified. Control group of 120 patien	ts who did not undergo UDTs was selected for		
comparison. • Sixty-one of 1058 patients (5%) underwent UDTs, and 33 of 61 patients (54%)		
had abnormal results. OR for UDT ordering was his	th in patients who had positive CAGE, patients		
aged<45 years, patients who advanced-stage cancer, and	had moderate-to-severe pain, in patients with in patients who had moderate-to-severe fatigue.		
		MD Anderson Cancer Center	
		Hilling Canor History'	
Complia	nce with Opioid Therapy: Distinguishing		
Pain Medicine Clinical Control Patients	Characteristics and Demographics Among with Cancer Pain ©		
	Koyyalagunta, MD 🐿, Eduando Bruera, MD, Mitchell P Engle, MD, PhD, J, Wenli Dong, MD, MS, Chris Demaree, BA, BS, Diane M Novy, PhD Kolume 19, Issue 7, J July 2018, Pares 1469–1477.		
	Variable No. of patients Percent		
Only 2.4% of patients seen in the p	ain Positive for marijuana 58 59.8		
clinic had a UDT! 58% of the patients in this retrospe	Positive for not-prescribed opioids 36 37.1		
cohort were non-compliant with th			
prescribed opioid therapy. Non-compliant patients were youn		liant (N	
more anxious, had a history or curr	ETIL Disease Arthus 127 (77) 54 (44) 68 (5		
user of ETOH, and used higher dose opioids	PS of status No evidence 45 (27) 16 (36) 29 (6		
opiolas	of disease		
		MDAnderson Conces@enter	
		Miking Canor History'	-
Chronic opic	oid therapy in survivors		
 Review of the literature of opioid therapy. 	on long-term cancer survivorship and chronic		
 Conclusions: 			
	frequent in long- term cancer survivors		
 ✓ Negatively affect the imn ✓ Produce health problems 	nune system such as endocrinopathies, osteoporosis		
neurological or cardiopul	monary effects		
✓ Alterations of cell cycle k ✓ Abuse and addiction: A second control of the control	inetics ignificant number of cancer patients (29 %)		
are classified as being at			

5 16	MDAnderson Charges

Questions?
koyyala@mdanderson.or