

Supplemental Online Content

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This supplemental material has been provided by the authors to give readers additional information about their work.

eAppendix 1 - Palliative care team EHR clinic note template summary with a dedicated ACP section recording patient preferences for Advance Directives

ASSESSMENT & PLAN

[Name] is a [age] years old [sex] with diagnosis of ____ [(example: metastatic cecal mucinous adenocarcinoma with peritoneal carcinomatosis) (time of diagnosis)]. [Treatment (example: FOLFOX and Bevacizumab - last dose (date)) and ____ surgery with Dr. ____ on [date]]. The patient had a remarkable medical history ____.

#Goals of Care:

- We discussed that it will be important to have ongoing discussions about his quality of life in the setting of his treatment.

#Advance Care Planning:

- **Designated Power of Attorney:** ____ [Name and relation to the patient]

- **Advance Directives:** I spoke to the patient about filling out an advance directive. The Health Care Power of Attorney form (from IDPH website Power of Attorney for Health Care (<http://dph.illinois.gov/sites/default/files/forms/forms-legal-power-attorney-040716.pdf>)) was given to the patient.

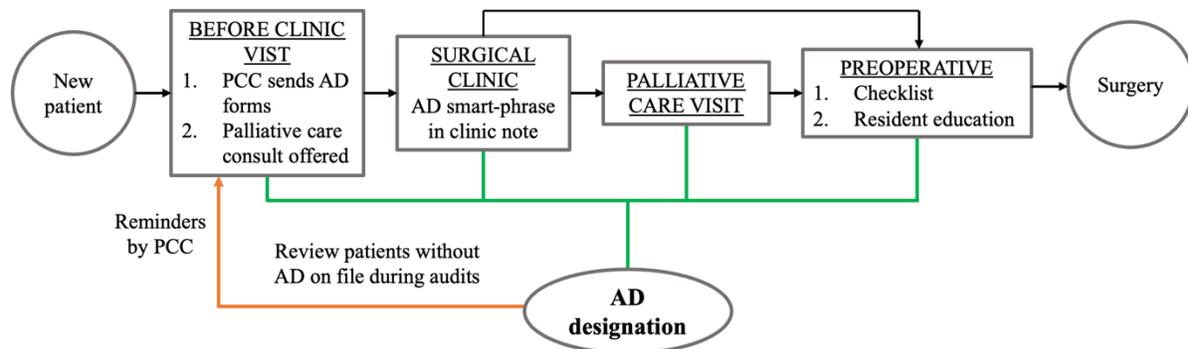
ATTENDING PHYSICIAN ATTESTATION

#Risk Assessment:

#Followup:

- The patient was advised to follow up with the palliative medicine clinic at the time of follow-up with Dr. ____ in the Surgical Oncology Clinic.

eFigure - New patient workflow through the Regional Therapies Surgical Oncology Clinic after workflow integration.



Abbreviations: PCC - Patient Care Coordinator; AD - Advance Directive

eAppendix 2 - Key terms used to search for the presence of ADs in progress notes

1. Power of Attorney-related
 - Power of Attorney
 - POA
 - DPOA
 - HCPOA
 - Surrogate
 - Proxy
2. Living Will-related
 - Living Will
 - LW
3. Physician Orders of Life-Sustaining Treatment (POLST)-related
 - POLST
4. Others
 - Goals of care
 - Palliat*

eTable 1: Distribution of baseline variables amongst patients with and without advance directive designation

	AD designation (n = 254)	No designation (n = 72)	p-value
Age (quartiles)			<0.001
≤ 50 years	52 (62.7%)	31 (37.3%)	
51-59 years	67 (77.0%)	20 (23.0%)	
60-66 years	63 (82.9%)	13 (17.1%)	
≥ 67 years	72 (90.0%)	8 (10.0%)	
Sex			0.347
Female	143 (76.1%)	45 (23.9%)	
Male	111 (80.4%)	27 (19.6%)	
Race			0.015
Non-Hispanic White	199 (81.9%)	44 (18.1%)	
Other populations	51 (66.2%)	26 (33.8%)	
Primary site			0.034
Appendix	90 (78.3%)	26 (22.4%)	
Colorectal	75 (87.2%)	11 (12.8%)	
Mesothelioma	28 (77.8%)	7 (20.0%)	
Other abdominal	55 (85.7%)	22 (14.3%)	
Cutaneous Melanoma	6 (50.0%)	6 (50.0%)	
Intent of treatment			
Palliative	74 (96.1%)	3 (3.9%)	
Curative	180 (72.3%)	69 (27.7%)	
Palliative care encounter			<0.001
No	99 (58.6%)	70 (41.4%)	
Yes	155 (98.7%)	2 (1.3%)	
ASA score			<0.001
≤ 2	40 (58.8%)	28 (41.2%)	
≥ 3	214 (82.9%)	44 (17.1%)	
Type of surgery performed			<0.001
CRS	197 (81.7%)	44 (18.3%)	
Diagnostic	19 (86.4%)	3 (13.6%)	
Other therapeutic procedures	38 (60.3%)	25 (39.7%)	
Year of Surgery			0.004
2016-19 (Before workflow integration)	131 (72.0%)	51 (28.0%)	
2020-22 (After workflow integration)	123 (85.4%)	21 (14.6%)	

Footnotes:

Percentages represent row-wise proportions.

Other populations included Asian/Mideast-Indian (n = 11, 3.4%), Black/African-American (n = 46, 14.1%), Hispanic/Latino (n = 5, 1.5%), Native Hawaiian/Other Pacific-Islander (n = 2, 0.6%), more than one race (n = 13, 4.0%). Six (1.9%) patients declined to self-identify race.

Abbreviations: AD – Advance Directive, ASA – American Society of Anesthesiology, CRS – Cytoreductive Surgery

eTable 2 - Propensity score matching characteristics: Comparison of the cohorts based on variables against which matching was performed.

	Palliative care encounter (n = 80)	No encounter (n = 80)	p-value
Age (median, IQR)	57 (48.5-65.8)	59 (52.0-65.8)	0.657
ASA score \geq 3	66 (82.5%)	66 (82.5%)	1
Curative treatment intent	72 (90.0%)	72 (90.0%)	1
Primary			0.84
Appendiceal	36 (45.0%)	35 (43.8%)	
Colorectal	32 (49.0%)	30 (37.5%)	
Mesothelioma	12 (15.0%)	15 (18.8%)	