

***Novel Referral Pathway for Patients
with New Solid Tumors Discharged
from the Emergency Department: A
Pilot Study***

“New Cancer Pathway”

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Comparative Study > [Am J Emerg Med.](#) 1992 Jul;10(4):290-3.

doi: [10.1016/0735-6757\(92\)90004-h](#).

Cancer presentation in the emergency department: a failure of primary care

[S W Hargarten](#) ¹, [M J Richards](#), [A J Anderson](#)

Affiliations + expand

PMID: 1616514 DOI: [10.1016/0735-6757\(92\)90004-h](#)



Mortality due to cancer treatment delay

Quantification to support prioritisation and modelling

Summary



Policies minimising system level delays to starting treatment could potentially improve survival after cancer diagnosis

Study design



Systematic review and meta-analysis | Patients of all ages with seven major cancer types

Data sources



34 studies on 17 cancer treatment indications
1 272 681 participants treated

Comparison

Exposure and outcome

Patient survival according to wait time for treatment including surgery, systemic treatment, or radiotherapy



Outcomes

Mortality for each four week increase in delay



Mortality increases as delay increases

Breast cancer surgery delay for 1000 women (baseline 12% mortality)

Projected additional deaths due to delay:

- 4 weeks +10
- 8 weeks +20
- 12 weeks +31

Evidence quality

Only high validity studies accounting for major prognostic factors were included

Review

> [Nat Rev Clin Oncol](#). 2017 Jan;14(1):45-56. doi: 10.1038/nrclinonc.2016.155.

Epub 2016 Oct 11.

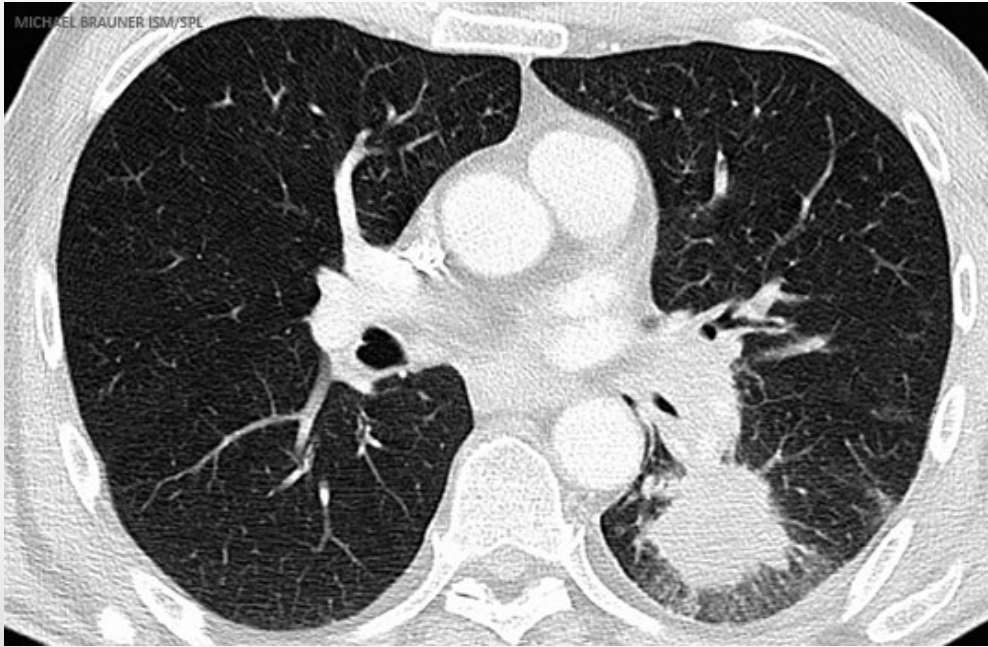
Diagnosis of cancer as an emergency: a critical review of current evidence

Yin Zhou¹, Gary A Abel^{1 2}, Willie Hamilton², Kathy Pritchard-Jones^{3 4}, Cary P Gross⁵,
Fiona M Walter¹, Cristina Renzi⁶, Sam Johnson⁷, Sean McPhail⁷, Lucy Elliss-Brookes⁷,
Georgios Lyratzopoulos^{1 6 7}

Affiliations + expand

PMID: 27725680 DOI: [10.1038/nrclinonc.2016.155](#)

How do you manage this CT scan in the ED?



1. Admit the patient
2. Discharge
 1. Pcp
 2. Pulmonary
 3. Thoracic
 4. IR
 5. Give them paperwork to call a doctor
3. What factors influence
 1. Race/ethnicity/SES

Feasibility of an E-oncology consult service

Ambulatory E-Consult to Hematology / Oncology ✓ Accept ✗ Cancel

Status:

Class:

Process Inst.: You can request an Interprofessional consultation (IPC) if you as the primary care or attending provider requests the opinion and treatment advice of a patient's problem from a specialty consulting provider (Physician/APP), without a face-to-face visit. Examples could be a lab interpretation/result, a urgent question, clinical question planning for next steps. The idea behind the IPC is that the primary care or attending provider will own and manage the patient's care in lieu of a referral.

Interprofessional consult questions raised by the treating provider should meet the following criteria:

- * Focused questions that a specialist can reasonably answer, with associated and relevant medical history also provided/ available.
- * Be answerable using only the information available in the EHR.

If you have a question about a process (such as getting someone into clinic) please send an In Basket message to the department pool (Ex: "P Pulm" for Pulmonary or "P Onc" for Oncology) and do not create an e-Consult.

Comments:

Reason for Visit: ***

Patient consented to Interprofessional Consult.

! Next Required ✓ Accept ✗ Cancel

	N = 28 (unless otherwise specified)	95% CI
Age (IQR)	55.0 (11)	
Gender (female)	12 (42.9%)	0.25-0.63
Race		
White	18 (64.3%)	0.44-0.81
Black	10 (35.7%)	0.19-0.56
Ethnicity (latino)	8 (28.6%)	0.13-0.49
Self-pay insurance	11 (39.3%)	0.22-0.59
Alcohol Use	16 (57.1%)	0.37-0.76
Tobacco Use	20 (71.4%)	0.51-0.87

Days to consult (IQR)?	1 (1)	
Minutes spent managing E-referral (IQR)	8 (2.5)	
What did e-referral do?		
Refer to subspecialist	9 (32.1%)	0.16-0.52
Order IR guided biopsy	8 (28.6%)	0.13-0.49
Order imaging	7 (25%)	0.11-0.45
Refer to pcp	5 (17.9%)	0.06-0.37
Arrange oncology clinic appointment	4 (14.3%)	0.04-0.33
Order labs	2 (7.1%)	0.008-0.24
Present at tumor board	1 (3.6%)	0.001-0.18
Did patient get a biopsy? -yes	18 (72%)	0.51-0.88
Days to biopsy (IQR)?	14 (14.5)	
Appropriate Consult? -No	3 (10.7%)	0.04-0.27

Stage (n =15)		
I	2 (13.3%)	0.04-0.38
II	2 (13.3%)	0.04-0.38
III	2 (13.3%)	0.04-0.38
IV	9 (60.0%)	0.36-0.80
Definitely not cancer	4 (14.3%)	0.06-0.32
Mortality - deceased	2 (7.1%)	0.02-0.23
Lost to follow up	4 (14.3%)	0.06-0.31

Type of confirmed cancer		
Lung cancer	4 (14.3%)	0.06-0.32
Renal cell carcinoma	3 (10.7%)	0.04-0.27
Breast cancer	2 (7.1%)	0.02-0.23
Oral cancer	1 (3.6%)	0.006-0.18
Neck squamous cell carcinoma	1 (3.6%)	0.006-0.18
Pancreatic cancer	1 (3.6%)	0.006-0.18
Germ cell tumor	1 (3.6%)	0.006-0.18
Lymphoma	1 (3.6%)	0.006-0.18
Testicular cancer	1 (3.6%)	0.006-0.18

Conclusions

- Referring patients from the ED for cancer work up is safe and feasible
- Most advanced stage
- Can measure time to biopsy from referral

- Next steps:
 - Improve outcomes?
 - Target specific cancers (lung)