Review of a Pharmacist-Led Telephone Follow-Up Program for Ambulatory Patients Receiving Chemotherapy At a Tertiary Cancer Centre

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Objective

 Assess the feasibility of a pharmacist-led telephone follow-up program in patients receiving parenteral anticancer

therapy

Methods

- A chart review was conducted to determine the number of chemotherapy patients contacted from June 5 2013, to June 20, 2016 by the Odette Cancer Centre Pharmacy
- Patients were included in the call-back program if:
 - 1. Patient received first chemotherapy with 2+ supportive medications
 - 2. Patient received a new treatment regimen (i.e. different chemotherapy regiment in the past)
 - 3. Patient had changes made to supportive medication(s) based on adverse effects experienced after previous cycle(s)
 - 4. Patient had not received treatment in over three months

Results

- A total of 6,984 calls were made
- Age ranged from 13 years old to 92 years old
- Palliation was the most common treatment intent among the patients, recorded in 37.4% of the cohort
- The most common primary cancer sites were gastrointestinal and gynaecological cancer, followed by lymphoma, lung, and head & neck cancer
- 314 patients (9.9%) were never reached, with the two most commonly cited reasons being a busy-line and that the patient was not feeling well (hence did not want to talk)

Patient Demographics

5 Calls

5+ Calls

1 (0.1%)

0 (0%)

Gender			
Male	1346 (43.4%) 1758 (56.6%)		
Female			
Age (years)			
Median	61		
Range	13-92		
Treatment Intent			
Adjuvant	653 (21.0%)		
Curative	971 (31.3%)		
Neoadjuvant	320 (10.3%)		
Palliative	1160 (37.4%)		
Primary Cancer Site			
Gastrointestinal	761 (24.5%)		
Gynaecological	690 (22.2%)		
Lymphoma	369 (11.9%)		
Lung	340 (11.0%)		
Head&Neck	331 (10.7%)		
Breast	175 (5.6%)		
Genitourinary	165 (5.3%)		
Leukemia	54 (1.7%)		
Multiple myeloma	53 (1.7%)		
Skin	50 (1.6%)		
Other/Unknown	118 (3.8%)		

	2013	2014	2015	2016	2013-2016
Total Attempts	1316	2228	2424	1005	6984
Total Successful	1235 (93.8%)	1908 (85.6%)	1759 (72.6%)	609 (60.6%)	5511 (78.9%)
Number of	726	1022	1000	436	2184
Unique Patients					
Number of	102 (14.0%)	88 (8.6%)	91 (9.1%)	33 (7.6%)	314 (9.9%)
Patients Never					
Reached					
Number of					
Patients					
Receiving:					
1 st Call	726 (100%)	1022 (100%)	1000 (100%)	436 (100%)	3184 (100%)
2 nd Call	403 (55.5%)	565 (55.3%)	541 (54.1%)	213 (48.9%)	1722 (54.1%)
3 rd Call	230 (31.7%)	317 (31.0%)	301 (30.1%)	83 (19.0%)	931 (29.2%)
4 th Call	108 (14.9%)	177 (17.3%)	172 (17.2%)	28 (6.4%)	485 (15.2%)
5 th Call	65 (9.0%)	102 (10.0%)	94 (9.4%)	12 (2.8%)	372 (8.6%)
>5 th Call	37 (5.1%)	68 (6.7%)	58 (5.8%)	4 (0.9%)	167 (5.2%)
Number of					
Patients					
Successfully					
Reached After:					
1 Call	556 (76.6%)	835 (81.7%)	796 (79.6%)	342 (78.4%)	2529 (79.4%)
2 Calls	59 (8.1%)	81 (7.9%)	92 (9.2%)	51 (11.7%)	283 (8.9%)
3 Calls	9 (1.2%)	13 (1.3%)	21 (2.1%)	10 (2.3%)	53 (1.7%)
4 Calls	1 (0.1%)	4 (0.4%)	2 (0.2%)	0 (0%)	7 (0.2%)

1 (0.1%)

0 (0%)

1 (0.1%)

0 (0%)

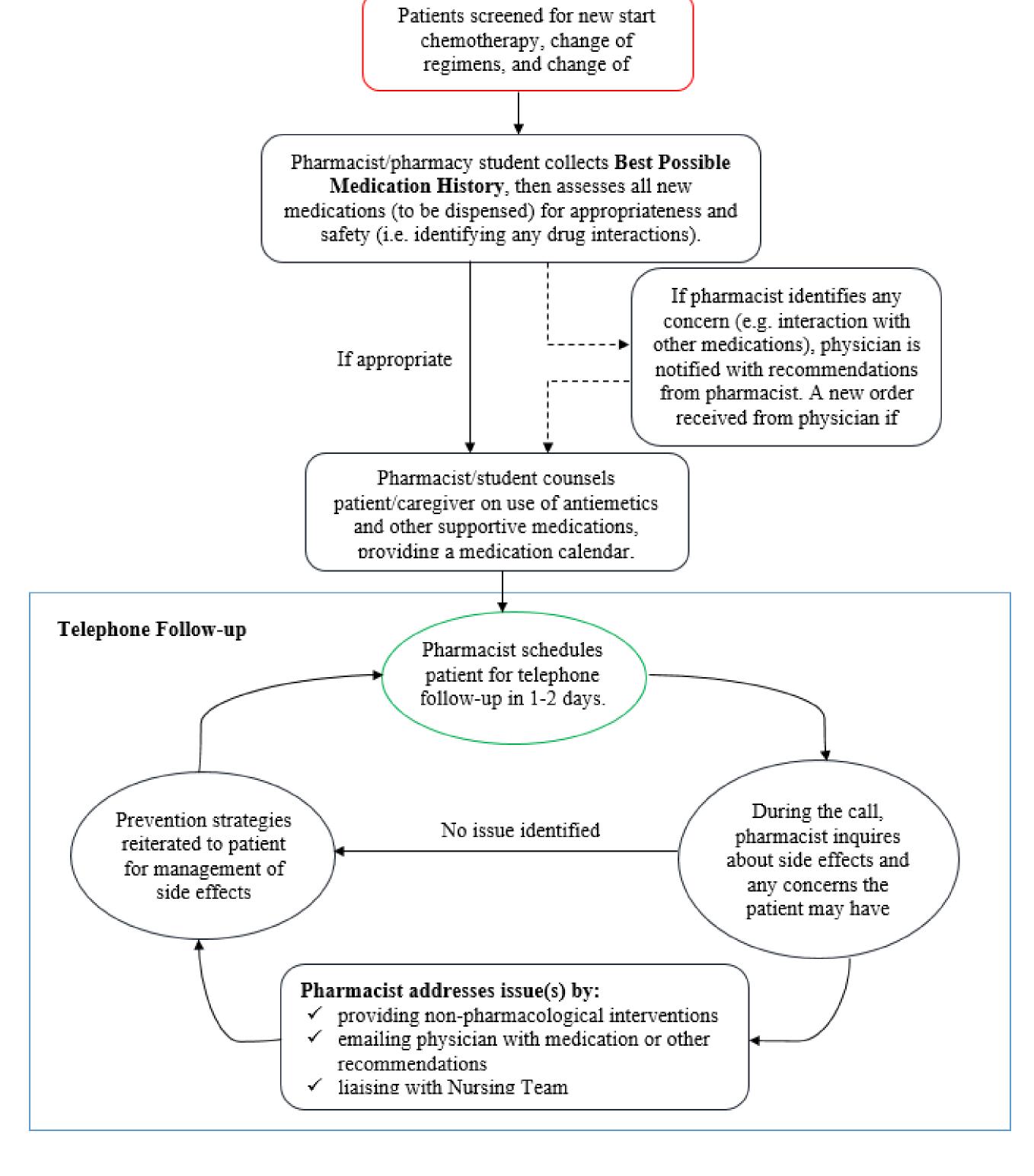
0 (0%)

0 (0%)

3 (0.1%)

0 (0%)

Odette Cancer Centre Chemotherapy Suite Workflow



Conclusions

 The telephone follow-up program for chemotherapy patients has proven to be a feasible and successful program; it has been well-received and achieving its objective to provide further patient care