Supplementary Materials:

Table S1: Analysis by age range.

Variable	18-44	45-64	65-79	80+	P-Value
Number of patients	5	42	55	38	
Number of episodes (%)					0,217
1	5 (100.0%)	31 (73.8%)	51 (92.7%)	33 (86.8%)	
2	0 (0.0%)	6 (14.3%)	3 (5.5%)	3 (7.9%)	
3	0 (0.0%)	2 (4.8%)	1 (1.8%)	2 (5.3%)	
5	0 (0.0%)	3 (7.1%)	0 (0.0%)	0 (0.0%)	
Year 2022 (%)	2 (40.0%)	18 (42.9%)	38 (69.1%)	12 (31.6%)	0.003
Month (%)					0.160
January	1 (20.0%)	1 (2.4%)	5 (9.1%)	5 (13.2%)	
February	1 (20.0%)	2 (4.8%)	10 (18.2%)	2 (5.3%)	
March	0 (0.0%)	3 (7.1%)	2 (3.6%)	3 (7.9%)	
April	1 (20.0%)	6 (14.3%)	3 (5.5%)	5 (13.2%)	
May	0 (0.0%)	2 (4.8%)	7 (12.7%)	4 (10.5%)	
June	0 (0.0%)	1 (2.4%)	1 (1.8%)	2 (5.3%)	
July	0 (0.0%)	8 (19.0%)	2 (3.6%)	2 (5.3%)	
August	0 (0.0%)	4 (9.5%)	3 (5.5%)	2 (5.3%)	
September	2 (40.0%)	4 (9.5%)	1 (1.8%)	4 (10.5%)	
October	0 (0.0%)	5 (11.9%)	6 (10.9%)	3 (7.9%)	
November	0 (0.0%)	3 (7.1%)	11 (20.0%)	3 (7.9%)	
December	0 (0.0%)	3 (7.1%)	4 (7.3%)	3 (7.9%)	
ER TIRF MME (mean (SD))	3.38 (1.74)	7.67 (7.77)	5.89 (3.32)	6.81 (4.78)	0.220
ER TIRF DDD (mean (SD))	0.43 (0.22)	0.98 (1.00)	0.75 (0.43)	0.87 (0.61)	0.220
Average Prescribing Time in Days (mean (SD))	1.20 (2.68)	302.56 (692.85)	82.59 (135.12)	82.92 (212.76)	0.036
Prior TIRF MME (mean (SD))	3.12 (6.98)	5.25 (6.81)	3.24 (3.28)	2.66 (4.31)	0.104
Prior TIRF DDD(mean (SD))	0.40 (0.89)	0.67 (0.87)	0.42 (0.42)	0.34 (0.55)	0.104
Prior Overall MME (mean (SD))	76.32 (69.89)	83.33 (134.40)	61.13 (71.00)	62.10 (80.67)	0.682
MME TIRF in Hospitalization (mean (SD))	3.64 (6.78)	5.65 (6.72)	4.31 (5.79)	4.74 (4.29)	0.680
Hospitalization TIRF DDD(mean (SD))	0.47 (0.87)	0.72 (0.86)	0.53 (0.74)	0.61 (0.55)	0.601
Discharge TIRF MME(mean (SD))	0.00 (0.00)	4.34 (6.09)	4.23 (4.33)	1.92 (3.42)	0.022

DDD TIRF at Discharge (mean (SD))	0.00 (0.00)	0.56 (0.78)	0.54 (0.55)	0.25 (0.44)	0.022
Discharge Overall MME(mean (SD))	57.50 (84.30)	96.66 (108.45)	65.24 (70.31)	65.76 (82.00)	0.273
Adverse Effects (%)	0 (0.0%)	1 (2.4%)	3 (5.5%)	3 (7.9%)	0.668
TIRF Changes (%)					0.176
Increase	0 (0.0%)	4 (9.5%)	5 (9.1%)	1 (2.6%)	
Deprescription	0 (0.0%)	6 (14.3%)	5 (9.1%)	0 (0.0%)	
Dies	1 (20.0%)	4 (9.5%)	6 (10.9%)	9 (23.7%)	
Prescription	0 (0.0%)	3 (7.1%)	13 (23.6%)	4 (10.5%)	
Reduction	0 (0.0%)	3 (7.1%)	2 (3.6%)	2 (5.3%)	
No changes	4 (80.0%)	22 (52.4%)	24 (43.6%)	22 (57.9%)	
NSAID intolerance (%)	0 (0.0%)	2 (4.8%)	4 (7.3%)	5 (13.2%)	0.478
Opioid intolerance (%)	0 (0.0%)	1 (2.4%)	1 (1.8%)	5 (13.2%)	0.061
Hospitalization ward (%)					<0.001
No hospitalization	0 (0.0%)	15 (35.7%)	23 (41.8%)	9 (23.7%)	
General and Digestive Surgery	1 (20.0%)	2 (4.8%)	0 (0.0%)	1 (2.6%)	
Vascular Surgery	0 (0.0%)	0 (0.0%)	3 (5.5%)	0 (0.0%)	
Palliative care	1 (20.0%)	3 (7.1%)	8 (14.5%)	9 (23.7%)	
Geriatrics	0 (0.0%)	0 (0.0%)	0 (0.0%)	6 (15.8%)	
Haematology	0 (0.0%)	1 (2.4%)	2 (3.6%)	0 (0.0%)	
Internal Medicine	0 (0.0%)	1 (2.4%)	3 (5.5%)	4 (10.5%)	
Nephrology	0 (0.0%)	2 (4.8%)	0 (0.0%)	0 (0.0%)	
Neurosurgery	1 (20.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	
Oncology	2 (40.0%)	15 (35.7%)	14 (25.5%)	4 (10.5%)	
Radiation Oncology	0 (0.0%)	1 (2.4%)	1 (1.8%)	0 (0.0%)	
Psychiatry	0 (0.0%)	1 (2.4%)	0 (0.0%)	0 (0.0%)	
Traumatology	0 (0.0%)	0 (0.0%)	0 (0.0%)	3 (7.9%)	
Urology	0 (0.0%)	1 (2.4%)	1 (1.8%)	2 (5.3%)	
Age (mean (SD))	39.00 (3.94)	55.00 (6.16)	72.33 (4.41)	85.55 (4.25)	<0.001
Cause of pain (%)					0.120
Car Accident	0 (0.0%)	1 (2.4%)	0 (0.0%)	0 (0.0%)	
Adrenal crisis	0 (0.0%)	1 (2.4%)	0 (0.0%)	0 (0.0%)	
Diverticulitis	0 (0.0%)	1 (2.4%)	0 (0.0%)	0 (0.0%)	
Post-surgical spinal cord pain	0 (0.0%)	0 (0.0%)	0 (0.0%)	1 (2.6%)	
Pain secondary to treatment	0 (0.0%)	1 (2.4%)	0 (0.0%)	1 (2.6%)	
COPD	0 (0.0%)	0 (0.0%)	0 (0.0%)	1 (2.6%)	
Fracture	0 (0.0%)	0 (0.0%)	1 (1.8%)	1 (2.6%)	
Heart failure	0 (0.0%)	0 (0.0%)	0 (0.0%)	3 (7.9%)	
Lumbago	1 (20.0%)	4 (9.5%)	3 (5.5%)	9 (23.7%)	

Obstruction	0 (0.0%)	0 (0.0%)	0 (0.0%)	1 (2.6%)	
Oligoarthritis	0 (0.0%)	1 (2.4%)	0 (0.0%)	0 (0.0%)	
Oncological	4 (80.0%)	29 (69.0%)	47 (85.5%)	19 (50.0%)	
Chronic pancreatitis	0 (0.0%)	3 (7.1%)	0 (0.0%)	0 (0.0%)	
Colon perforation	0 (0.0%)	0 (0.0%)	0 (0.0%)	1 (2.6%)	
PET/Polyneuropathy	0 (0.0%)	1 (2.4%)	0 (0.0%)	0 (0.0%)	
Uropathy	0 (0.0%)	0 (0.0%)	0 (0.0%)	1 (2.6%)	
Vascular	0 (0.0%)	0 (0.0%)	4 (7.3%)	0 (0.0%)	
Male (%)	4 (80.0%)	18 (42.9%)	38 (69.1%)	15 (39.5%)	0.008
Smoking (%)	3 (60.0%)	18 (42.9%)	19 (34.5%)	2 (5.3%)	0.001
Mental Health (%)	0 (0.0%)	13 (31.0%)	2 (3.6%)	4 (10.5%)	0.001
Oncological Diagnosis (%)	4 (80.0%)	31 (73.8%)	51 (92.7%)	23 (60.5%)	0.003
Baseline treatment (%)	3 (60.0%)	33 (78.6%)	47 (85.5%)	31 (81.6%)	0.506
>60 MME	3 (60.0%)	18 (42.9%)	20 (36.4%)	16 (42.1%)	0.726
0 – 60 MME	0 (0.0%)	15 (35.7%)	27 (49.1%)	15 (39.5%)	0.139
0 MME	2 (40.0%)	9 (21.4%)	8 (14.5%)	7 (18.4%)	0.506
Appropriateness to indication (%)	2 (40.0%)	12 (28.6%)	20 (36.4%)	12 (31.6%)	0.849
Benzodiazepines (%)	1 (20.0%)	14 (33.3%)	11 (20.0%)	14 (36.8%)	0.272
Z drugs (%)	0 (0.0%)	0 (0.0%)	1 (1.8%)	0 (0.0%)	0.669
Antirheumatic (%)	0 (0.0%)	1 (2.4%)	0 (0.0%)	0 (0.0%)	0.503
Antidepressants (%)	0 (0.0%)	10 (23.8%)	15 (27.3%)	6 (15.8%)	0.359
Beta-blockers (%)	0 (0.0%)	1 (2.4%)	4 (7.3%)	5 (13.2%)	0.273
Oral antidiabetics (%)	0 (0.0%)	2 (4.8%)	4 (7.3%)	1 (2.6%)	0.726
Gabepentinoids (%)	2 (40.0%)	8 (19.0%)	10 (18.2%)	8 (21.1%)	0.702
CYP3A4 inhibitors (%)	0 (0.0%)	3 (7.1%)	3 (5.5%)	5 (13.2%)	0.499

Table S2: Analysis for the presence or absence of prior (pre-hospitalization) TIRF.

Variable	Prior TIRF	No prior TIRF	P-Value
Number of patients	82	58	
ER TIRF MME (mean (SD))	7.08 (6.18)	5.87 (4.00)	0.193
ER TIRF DDD (mean (SD))	0.91 (0.79)	0.75 (0.51)	0.193
Average Prescribing Time in Days (mean (SD))	241.15 (513.80)	0.00 (0.00)	0.001
Prior TIRF MME (mean (SD))	6.28 (5.18)	0.00 (0.00)	<0.001
Prior TIRF DDD(mean (SD))	0.81 (0.66)	0.00 (0.00)	<0.001
Prior Overall MME (mean (SD))	96.02 (110.68)	29.81 (50.63)	<0.001

MME TIRF in Hospitalization (mean (SD))	5.47 (6.44)	3.88 (4.48)	0.110
Hospitalization TIRF DDD (mean (SD))	0.68 (0.83)	0.50 (0.57)	0.141
Discharge TIRF MME(mean (SD))	4.54 (5.39)	2.00 (3.25)	0.002
Discharge TIRF DDD (mean (SD))	0.58 (0.69)	0.26 (0.42)	0.002
Discharge Overall MME (mean (SD))	91.23 (98.48)	50.92 (61.46)	0.007
Age (mean (SD))	68.10 (12.59)	71.55 (15.57)	0.150
Number of episodes (%)			0.005
1	63 (76.8)	57 (98.3)	
2	11 (13.4)	1 (1.7)	
3	5 (6.1)	0 (0.0)	
5	3 (3.7)	0 (0.0)	
Year 2022 (%)	38 (46.3)	32 (55.2)	0.391
Month (%)			0.092
January	6 (7.3)	6 (10.3)	
February	12 (14.6)	3 (5.2)	
March	8 (9.8)	0 (0.0)	
April	7 (8.5)	8 (13.8)	
May	7 (8.5)	6 (10.3)	
June	3 (3.7)	1 (1.7)	
July	5 (6.1)	7 (12.1)	
August	8 (9.8)	1 (1.7)	
September	5 (6.1)	6 (10.3)	
October	8 (9.8)	6 (10.3)	
November	9 (11.0)	8 (13.8)	
December	4 (4.9)	6 (10.3)	
Adverse effects (%)	4 (4.9)	3 (5.2)	
TIRF Changes (%)			1.000
Increase	10 (12.2)	0 (0.0)	<0.001
Deprescription	11 (13.4)	0 (0.0)	
Dies	13 (15.9)	7 (12.1)	
Prescription	0 (0.0)	20 (34.5)	
Reduction	7 (8.5)	0 (0.0)	
No changes	41 (50.0)	31 (53.4)	
NSAID intolerance (%)	7 (8.5)	4 (6.9)	
Opioid intolerance (%)	4 (4.9)	3 (5.2)	0.971
Hospitalization ward (%)			1.000
No hospitalization	23 (28.0)	24 (41.4)	0.034
General and Digestive Surgery	2 (2.4)	2 (3.4)	
Vascular Surgery	2 (2.4)	1 (1.7)	
Palliative care	13 (15.9)	8 (13.8)	
Geriatrics	2 (2.4%)	4 (6.9%)	
Haematology	3 (3.7%)	0 (0.0%)	
Internal Medicine	2 (2.4%)	6 (10.3%)	
Nephrology	2 (2.4%)	0 (0.0%)	
Neurosurgery	0 (0.0%)	1 (1.7%)	
Oncology	28 (34.1%)	7 (12.1%)	
Radiation Oncology	0 (0.0%)	2 (3.4%)	
Psychiatry	0 (0.0%)	1 (1.7%)	
Traumatology	2 (2.4%)	1 (1.7%)	
Urology	3 (3.7%)	1 (1.7%)	

Age Range (%)			
18-44	1 (1.2%)	4 (6.9%)	0.027
45-64	30 (36.6%)	12 (20.7%)	
65-79	34 (41.5%)	21 (36.2%)	
80+	17 (20.7%)	21 (36.2%)	
Cause of pain (%)			
Car Accident	0 (0.0%)	1 (1.7%)	0.007
Adrenal crisis	1 (1.2%)	0 (0.0%)	
Diverticulitis	1 (1.2%)	0 (0.0%)	
Post-surgical spinal cord pain	1 (1.2%)	0 (0.0%)	
Pain secondary to treatment	2 (2.4%)	0 (0.0%)	
COPD	1 (1.2%)	0 (0.0%)	
Fracture	1 (1.2%)	1 (1.7%)	
Heart failure	0 (0.0%)	3 (5.2%)	
Lumbago	3 (3.7%)	14 (24.1%)	
Obstruction	0 (0.0%)	1 (1.7%)	
Oligoarthritis	0 (0.0%)	1 (1.7%)	
Oncological	66 (80.5%)	33 (56.9%)	
Chronic pancreatitis	3 (3.7%)	0 (0.0%)	
Colon perforation	0 (0.0%)	1 (1.7%)	
PET/Polyneuropathy	1 (1.2%)	0 (0.0%)	
Uropathy	0 (0.0%)	1 (1.7%)	
Vascular	2 (2.4%)	2 (3.4%)	
Male (%)	45 (54.9%)	30 (51.7%)	0.844
Smoking (%)	22 (26.8%)	20 (34.5%)	0.432
Mental Health (%)	11 (13.4%)	8 (13.8%)	1.000
Oncological Diagnosis (%)	72 (87.8%)	37 (63.8%)	0.002
Baseline treatment (%)	74 (90.2%)	40 (69.0%)	0.003
>60 MME	46 (56.1%)	11 (19.0%)	<0.001
0 – 60 MME	28 (34.1%)	29 (50.0%)	0.088
0 MME	8 (9.8%)	18 (31.0%)	0.003
Appropriateness to indication (%)	40 (48.8%)	6 (10.3%)	<0.001
Benzodiazepines (%)	28 (34.1%)	12 (20.7%)	0.122
Z drugs (%)	0 (0.0%)	1 (1.7%)	0.861
Antirheumatic (%)	0 (0.0%)	1 (1.7%)	0.861
Antidepressants (%)	25 (30.5%)	6 (10.3%)	0.009
Beta-blockers (%)	7 (8.5%)	3 (5.2%)	0.668
Oral antidiabetics (%)	4 (4.9%)	3 (5.2%)	1.000
Gabapentinoids (%)	17 (20.7%)	11 (19.0%)	0.966
CYP3A4 inhibitors (%)	8 (9.8%)	3 (5.2%)	0.500

Table S3: Patients characteristics by hospitalization status.

Variable	Without hospitalization	With hospitalization	P-Value
Number of patients	47	93	
ER TIRF MME (mean (SD))	5.31 (4.38)	7.22 (5.77)	0.048
ER TIRF DDD (mean (SD))	0.68 (0.56)	0.93 (0.74)	0.048
Average Prescribing Time in Days (mean (SD))	79.79 (190.25)	176.59 (483.42)	0.213
Prior TIRF MME (mean (SD))	2.38 (3.23)	4.34 (5.63)	0.029
Prior TIRF DDD(mean (SD))	0.30 (0.41)	0.56 (0.72)	0.029
Prior Overall MME (mean (SD))	57.44 (111.14)	74.23 (87.86)	0.331

MME TIRF in Hospitalization (mean (SD))	0.00 (0.00)	7.14 (5.69)	<0.001
Hospitalization TIRF DDD(mean (SD))	0.00 (0.00)	0.90 (0.73)	<0.001
Discharge TIRF MME(mean (SD))	3.78 (3.65)	3.34 (5.27)	0.608
Discharge TIRF DDD (mean (SD))	0.48 (0.47)	0.43 (0.68)	0.608
Discharge Overall MME (mean (SD))	66.07 (82.93)	78.81 (89.36)	0.416
Age (mean (SD))	69.40 (12.72)	69.59 (14.60)	0.941
Number of episodes (%)			0.512
1	41 (87.2)	79 (84.9)	
2	5 (10.6)	7 (7.5)	
3	1 (2.1)	4 (4.3)	
5	0 (0.0)	3 (3.2)	
Year 2022 (%)	29 (61.7)	41 (44.1)	0.074
Month (%)			0.687
January	5 (10.6)	7 (7.5)	
February	6 (12.8)	9 (9.7)	
March	3 (6.4)	5 (5.4)	
April	5 (10.6)	10 (10.8)	
May	3 (6.4)	10 (10.8)	
June	0 (0.0)	4 (4.3)	
July	7 (14.9)	5 (5.4)	
August	3 (6.4)	6 (6.5)	
September	2 (4.3)	9 (9.7)	
October	4 (8.5)	10 (10.8)	
November	5 (10.6)	12 (12.9)	
December	4 (8.5)	6 (6.5)	
Adverse effects (%)	1 (2.1)	6 (6.5)	0.485
TIRF Changes (%)			0.004
Increase	2 (4.3)	8 (8.6)	
Deprescription	2 (4.3)	9 (9.7)	
Dies	3 (6.4)	17 (18.3)	
Prescription	14 (29.8)	6 (6.5)	
Reduction	3 (6.4)	4 (4.3)	
No changes	23 (48.9)	49 (52.7)	
NSAID intolerance (%)	8 (17.0)	3 (3.2)	0.011
Opioid intolerance (%)	5 (10.6)	2 (2.2)	0.077
Hospitalization ward (%)			<0.001
No hospitalization	47 (100.0)	0 (0.0)	
General and Digestive Surgery	0 (0.0)	4 (4.3)	
Vascular Surgery	0 (0.0)	3 (3.2)	
Palliative care	0 (0.0)	21 (22.6)	
Geriatrics	0 (0.0)	6 (6.5)	
Haematology	0 (0.0)	3 (3.2)	
Internal Medicine	0 (0.0)	8 (8.6)	
Nephrology	0 (0.0)	2 (2.2)	
Neurosurgery	0 (0.0)	1 (1.1)	
Oncology	0 (0.0)	35 (37.6)	
Radiation Oncology	0 (0.0)	2 (2.2)	
Psychiatry	0 (0.0)	1 (1.1)	
Traumatology	0 (0.0)	3 (3.2)	
Urology	0 (0.0)	4 (4.3)	

Age Range (%)			0.114
18-44	0 (0.0)	5 (5.4)	
45-64	15 (31.9)	27 (29.0)	
65-79	23 (48.9)	32 (34.4)	
80+	9 (19.1)	29 (31.2)	
Cause of pain (%)			0.547
Car Accident	1 (2.1)	0 (0.0)	
Adrenal crisis	1 (2.1)	0 (0.0)	
Diverticulitis	0 (0.0)	1 (1.1)	
Post-surgical spinal cord pain	0 (0.0)	1 (1.1)	
Pain secondary to treatment	1 (2.1)	1 (1.1)	
COPD	0 (0.0)	1 (1.1)	
Fracture	1 (2.1)	1 (1.1)	
Heart failure	1 (2.1)	2 (2.2)	
Lumbago	8 (17.0)	9 (9.7)	
Obstruction	0 (0.0)	1 (1.1)	
Oligoarthritis	1 (2.1)	0 (0.0)	
Oncological	31 (66.0)	68 (73.1)	
Chronic pancreatitis	0 (0.0)	3 (3.2)	
Colon perforation	1 (2.1)	0 (0.0)	
PET/Polyneuropathy	0 (0.0)	1 (1.1)	
Uropathy	0 (0.0)	1 (1.1)	
Vascular	1 (2.1)	3 (3.2)	
Male (%)	23 (48.9)	52 (55.9)	0.547
Smoking (%)	17 (36.2)	25 (26.9)	0.349
Mental Health (%)	7 (14.9)	12 (12.9)	0.949
Oncological Diagnosis (%)	33 (70.2)	76 (81.7)	0.182
Baseline treatment (%)	37 (78.7)	77 (82.8)	0.723
>60 MME	13 (27.7)	44 (47.3)	0.040
0 – 60 MME	24 (51.1)	33 (35.5)	0.112
0 MME	10 (21.3)	16 (17.2)	0.723
Appropriateness to indication (%)	11 (23.4)	35 (37.6)	0.133
Benzodiazepines (%)	9 (19.1)	31 (33.3)	0.120
Z drugs (%)	0 (0.0)	1 (1.1)	1.000
Antirheumatic (%)	1 (2.1)	0 (0.0)	0.727
Antidepressants (%)	11 (23.4)	20 (21.5)	0.968
Beta-blockers (%)	3 (6.4)	7 (7.5)	1.000
Oral antidiabetics (%)	4 (8.5)	3 (3.2)	0.345
Gabepentinoids (%)	8 (17.0)	20 (21.5)	0.687
CYP3A4 inhibitors (%)	3 (6.4)	8 (8.6)	0.898

Table S4: Analysis for changes in TIRF at Discharge.

Variable	**Increase**	**Deprescription**	**Deaths**	**Prescription**	**Reduction**	**No changes**	**P-Value**
Number of patients	10	11	20	20	7	72	
Number of episodes (%)							0.761
1	8 (80.0)	9 (81.8)	17 (85.0)	19 (95.0)	6 (85.7)	61 (84.7)	

2	2 (20.0)	2 (18.2)	2 (10.0)	1 (5.0)	0 (0.0)	5 (6.9)	
3	0 (0.0)	0 (0.0)	1 (5.0)	0 (0.0)	1 (14.3)	3 (4.2)	
5	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	3 (4.2)	
Year 2022 (%)	6 (60.0)	5 (45.5)	7 (35.0)	13 (65.0)	3 (42.9)	36 (50.0)	0.516
Month (%)							0.447
January	0 (0.0)	2 (18.2)	3 (15.0)	1 (5.0)	1 (14.3)	5 (6.9)	
February	3 (30.0)	1 (9.1)	2 (10.0)	3 (15.0)	0 (0.0)	6 (8.3)	
March	0 (0.0)	1 (9.1)	1 (5.0)	0 (0.0)	2 (28.6)	4 (5.6)	
April	1 (10.0)	0 (0.0)	2 (10.0)	1 (5.0)	1 (14.3)	10 (13.9)	
May	1 (10.0)	1 (9.1)	1 (5.0)	3 (15.0)	0 (0.0)	7 (9.7)	
June	0 (0.0)	0 (0.0)	3 (15.0)	0 (0.0)	0 (0.0)	1 (1.4)	
July	1 (10.0)	1 (9.1)	0 (0.0)	4 (20.0)	0 (0.0)	6 (8.3)	
August	1 (10.0)	1 (9.1)	1 (5.0)	0 (0.0)	0 (0.0)	6 (8.3)	
September	0 (0.0)	1 (9.1)	1 (5.0)	0 (0.0)	2 (28.6)	7 (9.7)	
October	0 (0.0)	2 (18.2)	2 (10.0)	3 (15.0)	0 (0.0)	7 (9.7)	
November	1 (10.0)	1 (9.1)	3 (15.0)	3 (15.0)	1 (14.3)	8 (11.1)	
December	2 (20.0)	0 (0.0)	1 (5.0)	2 (10.0)	0 (0.0)	5 (6.9)	
ER TIRF MME (mean (SD))	6.11 (3.93)	8.86 (5.42)	7.54 (4.33)	5.14 (2.84)	7.80 (10.72)	6.31 (5.68)	0.467
ER TIRF DDD (mean (SD))	0.78 (0.50)	1.14 (0.69)	0.97 (0.56)	0.66 (0.36)	1.00 (1.37)	0.81 (0.73)	0.467
Average Prescribing Time in Days (mean (SD))	194.60 (233.06)	178.36 (224.92)	57.80 (100.74)	0.00 (0.00)	217.43 (219.84)	183.17 (545.56)	0.597
Prior TIRF MME (mean (SD))	3.32 (1.73)	6.26 (2.84)	4.75 (5.05)	0.00 (0.00)	7.24 (10.70)	3.71 (5.01)	0.002
Prior TIRF DDD(mean (SD))	0.43 (0.22)	0.80 (0.36)	0.61 (0.65)	0.00 (0.00)	0.93 (1.37)	0.48 (0.64)	0.002
Prior Overall MME (mean (SD))	102.82 (218.82)	58.86 (57.08)	56.52 (67.04)	18.14 (19.19)	113.14 (154.45)	78.36 (83.99)	0.09
MME TIRF in Hospitalization (mean (SD))	6.50 (9.01)	6.62 (6.08)	7.59 (5.26)	3.15 (5.31)	2.97 (5.90)	4.18 (5.16)	0.085
Hospitalization TIRF DDD(mean (SD))	0.83 (1.15)	0.85 (0.78)	0.90 (0.70)	0.40 (0.68)	0.38 (0.76)	0.54 (0.66)	0.155
Discharge TIRF MME(mean (SD))	8.39 (5.74)	0.00 (0.00)	0.00 (0.00)	5.79 (2.94)	2.97 (5.90)	3.71 (5.01)	<0.001
Discharge TIRF DDD (mean (SD))	1.08 (0.74)	0.00 (0.00)	0.00 (0.00)	0.74 (0.38)	0.38 (0.76)	0.48 (0.64)	<0.001
Discharge Overall MME(mean (SD))	119.15 (147.61)	89.44 (54.45)	0.00 (0.00)	55.79 (44.64)	101.19 (145.26)	89.37 (84.30)	<0.001
Adverse effects (%)	1 (10.0)	0 (0.0)	1 (5.0)	1 (5.0)	0 (0.0)	4 (5.6)	0.911

TIRF Changes (%)							<0.001
Increase	10 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	
Deprescription	0 (0.0)	11 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	
Dies	0 (0.0)	0 (0.0)	20 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)	
Prescription	0 (0.0)	0 (0.0)	0 (0.0)	20 (100.0)	0 (0.0)	0 (0.0)	
Reduction	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	7 (100.0)	0 (0.0)	
No changes	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	72 (100.0)	
NSAID intolerance (%)	0 (0.0)	0 (0.0)	2 (10.0)	3 (15.0)	2 (28.6)	4 (5.6)	0.156
Opioid intolerance (%)	0 (0.0)	0 (0.0)	1 (5.0)	0 (0.0)	2 (28.6)	4 (5.6)	0.065
Hospitalization ward (%)							0.208
No hospitalization	2 (20.0)	2 (18.2)	3 (15.0)	14 (70.0)	3 (42.9)	23 (31.9)	
General and Digestive Surgery	0 (0.0)	1 (9.1)	0 (0.0)	0 (0.0)	0 (0.0)	3 (4.2)	
Vascular Surgery	0 (0.0)	1 (9.1)	0 (0.0)	0 (0.0)	0 (0.0)	2 (2.8)	
Palliative care	3 (30.0)	2 (18.2)	7 (35.0)	2 (10.0)	3 (42.9)	4 (5.6)	
Geriatrics	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	6 (8.3)	
Haematology	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	3 (4.2)	
Internal Medicine	0 (0.0)	0 (0.0)	0 (0.0)	2 (10.0)	0 (0.0)	6 (8.3)	
Nephrology	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	2 (2.8)	
Neurosurgery	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	1 (1.4)	
Oncology	5 (50.0)	5 (45.5)	8 (40.0)	1 (5.0)	1 (14.3)	15 (20.8)	
Radiation Oncology	0 (0.0)	0 (0.0)	0 (0.0)	1 (5.0)	0 (0.0)	1 (1.4)	
Psychiatry	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	1 (1.4)	
Traumatology	0 (0.0)	0 (0.0)	2 (10.0)	0 (0.0)	0 (0.0)	1 (1.4)	
Urology	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	4 (5.6)	
Age (mean (SD))	64.90 (11.68)	62.45 (8.50)	73.15 (12.43)	74.60 (10.40)	69.57 (18.26)	68.83 (15.26)	0.149
Age Range (%)							0.176
18-44	0 (0.0)	0 (0.0)	1 (5.0)	0 (0.0)	0 (0.0)	4 (5.6)	
45-64	4 (40.0)	6 (54.5)	4 (20.0)	3 (15.0)	3 (42.9)	22 (30.6)	
65-79	5 (50.0)	5 (45.5)	6 (30.0)	13 (65.0)	2 (28.6)	24 (33.3)	
80+	1 (10.0)	0 (0.0)	9 (45.0)	4 (20.0)	2 (28.6)	22 (30.6)	
Cause of pain (%)							0.865

Car Accident	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	1 (1.4)	
Adrenal crisis	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	1 (14.3)	0 (0.0)	
Diverticulitis	0 (0.0)	1 (9.1)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	
Post-surgical spinal cord pain	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	1 (1.4)	
Pain secondary to treatment	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	2 (2.8)	
COPD	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	1 (1.4)	
Fracture	0 (0.0)	0 (0.0)	1 (5.0)	1 (5.0)	0 (0.0)	0 (0.0)	
Heart failure	0 (0.0)	0 (0.0)	1 (5.0)	0 (0.0)	0 (0.0)	2 (2.8)	
Lumbago	1 (10.0)	0 (0.0)	0 (0.0)	4 (20.0)	1 (14.3)	11 (15.3)	
Obstruction	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	1 (1.4)	
Oligoarthritis	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	1 (1.4)	
Oncological	9 (90.0)	9 (81.8)	17 (85.0)	15 (75.0)	5 (71.4)	44 (61.1)	
Chronic pancreatitis	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	3 (4.2)	
Colon perforation	0 (0.0)	0 (0.0)	1 (5.0)	0 (0.0)	0 (0.0)	0 (0.0)	
PET/Polyneuropathy	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	1 (1.4)	
Uropathy	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	1 (1.4)	
Vascular	0 (0.0)	1 (9.1)	0 (0.0)	0 (0.0)	0 (0.0)	3 (4.2)	
Male (%)	6 (60.0)	5 (45.5)	12 (60.0)	12 (60.0)	2 (28.6)	38 (52.8)	0.715
Smoking (%)	4 (40.0)	2 (18.2)	5 (25.0)	7 (35.0)	2 (28.6)	22 (30.6)	0.889
Mental Health (%)	1 (10.0)	1 (9.1)	3 (15.0)	2 (10.0)	2 (28.6)	10 (13.9)	0.863
Oncological Diagnosis (%)	9 (90.0)	11 (100.0)	17 (85.0)	16 (80.0)	6 (85.7)	50 (69.4)	0.166
Baseline treatment (%)	8 (80.0)	9 (81.8)	14 (70.0)	19 (95.0)	7 (100.0)	57 (79.2)	0.304
>60 MME	3 (30.0)	4 (36.4)	9 (45.0)	3 (15.0)	4 (57.1)	34 (47.2)	0.144
0 – 60 MME	5 (50.0)	5 (45.5)	5 (25.0)	16 (80.0)	3 (42.9)	23 (31.9)	0.003
0 MME	2 (20.0)	2 (18.2)	6 (30.0)	1 (5.0)	0 (0.0)	15 (20.8)	0.304
Appropriateness to indication (%)	2 (20.0)	4 (36.4)	9 (45.0)	1 (5.0)	4 (57.1)	26 (36.1)	0.044
Benzodiazepines (%)	3 (30.0)	2 (18.2)	5 (25.0)	4 (20.0)	3 (42.9)	23 (31.9)	0.771
Z drugs (%)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	1 (1.4)	0.966
Antirheumatic (%)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	1 (1.4)	0.966
Antidepressants (%)	5 (50.0)	1 (9.1)	3 (15.0)	1 (5.0)	2 (28.6)	19 (26.4)	0.062
Beta-blockers (%)	0 (0.0)	0 (0.0)	4 (20.0)	2 (10.0)	0 (0.0)	4 (5.6)	0.176
Oral antidiabetics (%)	0 (0.0)	0 (0.0)	3 (15.0)	1 (5.0)	0 (0.0)	3 (4.2)	0.327

Gabapentinoids (%)	3 (30.0)	3 (27.3)	1 (5.0)	3 (15.0)	2 (28.6)	16 (22.2)	0.459
CYP3A4 inhibitors (%)	1 (10.0)	1 (9.1)	0 (0.0)	2 (10.0)	1 (14.3)	6 (8.3)	0.8