

5y complications analysis

```
xls_path <- '../..//data/ESSG extraction June 2022_1st report 5Y - ONLY DPS.xlsx'
```

Filters

We need those with and without 2 FU for the 'Do complications before 2y affect 2y followup?' analysis.

```
# discarded_patients <- readLines('five_years/discarded_patients')

data_set %<>%
  .[, followup_2y :=
    !is.na(`2 YEAR VISIT - Date of visit`) |
    !is.na(`3 YEAR VISIT - Date of visit`)] %>%
  .[, followup_5y :=
    !is.na(`5 YEAR VISIT - Date of visit`) |
    !is.na(`6 YEAR VISIT - Date of visit`)]

data_set %<>%
  .[followup_2y==TRUE] %>%
  .[`st1. Date of Stage` %>% as.Date() < as.Date('2016-6-1')]
```

Total patients: 260

Only Minor Complications

Stats

	complication_before_2y	has_followup_2y
1:	Yes	1
2:	No	1

	complication_before_2y	has_followup_5y
1:	Yes	0.746
2:	No	0.731

stats Minor complications

- Complications before 2 years: 216
- Proportion of patients with complications before 2 years: 0.4846154
- Complications between 2y and 5y: 29
- Proportion of patients with complications between 2y and 5y: 0.0884615
- p-value testing equality between proportions of complications: $4.4708059 \times 10^{-23}$

Minor Complications before 2y

Category of the complication	Iatrogenic
	47
Mechanical complications: Implant related	26
Mechanical complications: Radiographic	16
Medical: Cardiopulmonary	14
Medical: Gastrointestinal	4
Medical: Genitourinary	3
Medical: Hematopoietic	7
Medical: Hepatobiliary	2
Medical: Infectious complications	31
Medical: Non-spine Neurologic	1
Medical: Other	6
Medical: Psychiatric	6
Medical: Renal complications	1
Medical: Thrombotic	1
Pain	7
Peripheral neurologic complications	28
Wound infections	6
Wound problems	10

Category of the complication	Iatrogenic
	0.217592593
Mechanical complications: Implant related	0.120370370
Mechanical complications: Radiographic	0.074074074
Medical: Cardiopulmonary	0.064814815
Medical: Gastrointestinal	0.018518519
Medical: Genitourinary	0.013888889
Medical: Hematopoietic	

	0.032407407
Medical: Hepatobiliary	0.009259259
Medical: Infectious complications	0.143518519
Medical: Non-spine Neurologic	0.004629630
Medical: Other	0.027777778
Medical: Psychiatric	0.027777778
Medical: Renal complications	0.004629630
Medical: Thrombotic	0.004629630
Pain	0.032407407
Peripheral neurologic complications	0.129629630
Wound infections	0.027777778
Wound problems	0.046296296

Minor Complications between 2y and 5y

Category of the complication	
Mechanical complications: Implant related	15
Mechanical complications: Radiographic	11
Pain	2
Peripheral neurologic complications	1

Category of the complication	
Mechanical complications: Implant related	0.51724138
Mechanical complications: Radiographic	0.37931034
Pain	0.06896552
Peripheral neurologic complications	0.03448276