

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: 575

Only Minor Complications

Stats

	complication_before_2y	has_followup_2y
1:	Yes	0.842
2:	No	0.701

	complication_before_2y	has_followup_5y
1:	Yes	0.462
2:	No	0.345

stats Minor complications

- Complications before 2 years: 399
- Proportion of patients with complications before 2 years: 0.386087
- Complications between 2y and 5y: 35
- Proportion of patients with complications between 2y and 5y: 0.0486957
- p-value testing equality between proportions of complications: $2.6215677 \times 10^{-43}$

Minor Complications before 2y

Category of the complication	
Central neurologic complications	2
Iatrogenic	65
Mechanical complications: Implant related	33
Mechanical complications: Radiographic	31
Medical: Allergic reactions	1
Medical: Cardiopulmonary	38
Medical: Gastrointestinal	17
Medical: Genitourinary	5
Medical: Hematopoietic	24
Medical: Hepatobiliary	2
Medical: Infectious complications	46
Medical: Non-spine Neurologic	2
Medical: Other	16
Medical: Psychiatric	12
Medical: Renal complications	1
Medical: Thrombotic	5
Pain	17
Peripheral neurologic complications	50
Wound infections	12
Wound problems	20

Category of the complication	
Central neurologic complications	0.005012531
Iatrogenic	0.162907268
Mechanical complications: Implant related	0.082706767
Mechanical complications: Radiographic	0.077694236
Medical: Allergic reactions	

	0.002506266
Medical: Cardiopulmonary	0.095238095
Medical: Gastrointestinal	0.042606516
Medical: Genitourinary	0.012531328
Medical: Hematopoietic	0.060150376
Medical: Hepatobiliary	0.005012531
Medical: Infectious complications	0.115288221
Medical: Non-spine Neurologic	0.005012531
Medical: Other	0.040100251
Medical: Psychiatric	0.030075188
Medical: Renal complications	0.002506266
Medical: Thrombotic	0.012531328
Pain	0.042606516
Peripheral neurologic complications	0.125313283
Wound infections	0.030075188
Wound problems	0.050125313

Minor Complications between 2y and 5y

Category of the complication	
Mechanical complications: Implant related	19
Mechanical complications: Radiographic	13
Pain	2
Peripheral neurologic complications	1

Category of the complication	
Mechanical complications: Implant related	0.54285714
Mechanical complications: Radiographic	0.37142857
Pain	0.05714286
Peripheral neurologic complications	0.02857143