

Crohn's and Colitis

Increased advanced neoplasia risk after recurrent low-grade dysplasia in **Inflammatory Bowel Disease patients**

A nationwide cohort study

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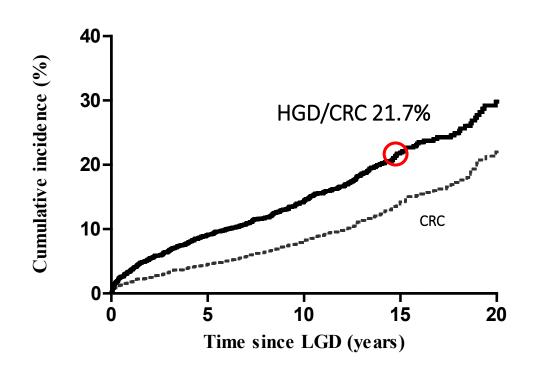
Disclosure of Conflicts of Interest:

• Conflicts of interest : none



Background

- What is known
 - Increased advanced neoplasia (HGD/CRC) risk after LGD in IBD
 - Intensified surveillance



- What is unknown
 - Impact of recurrent LGD on CRC risk
 - The impact of a neoplasia-free period after initial LGD on CRC risk

De Jong et al. , submitted



Aims

 To assess whether recurrent LGD at first follow-up colonoscopy after initial LGD is a risk factor for advanced neoplasia in IBD patients

2) To determine how the duration of a neoplasia-free time period after initial LGD impacts the advanced neoplasia risk in IBD patients with LGD



Methods

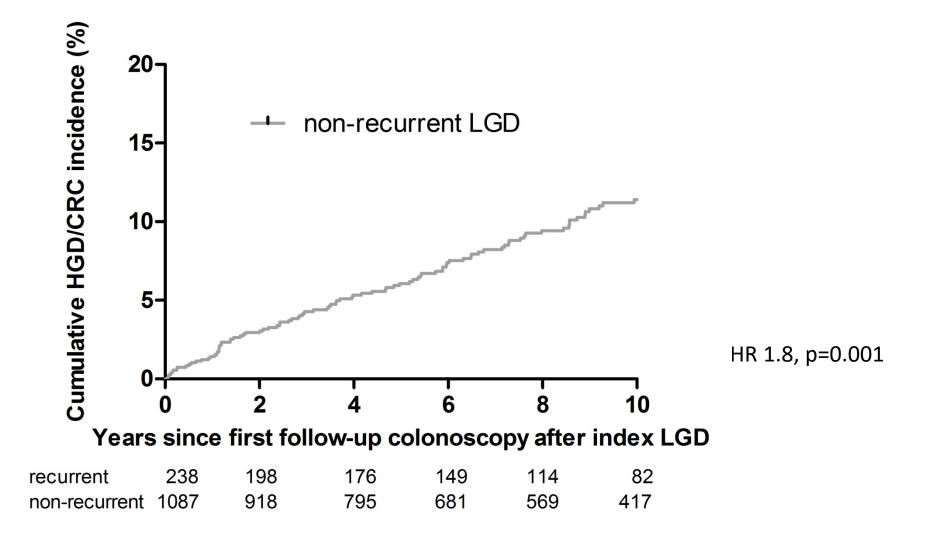
- Nationwide retrospective cohort
- Search in Dutch pathology database (PALGA):
 - IBD
 - Dysplasia & CRC
 - Colon
- Inclusion:

all IBD patients with colonic LGD between 1991-2005 Systematic follow-up until January 2016

• Recurrent LGD \leftrightarrow Non-recurrent LGD

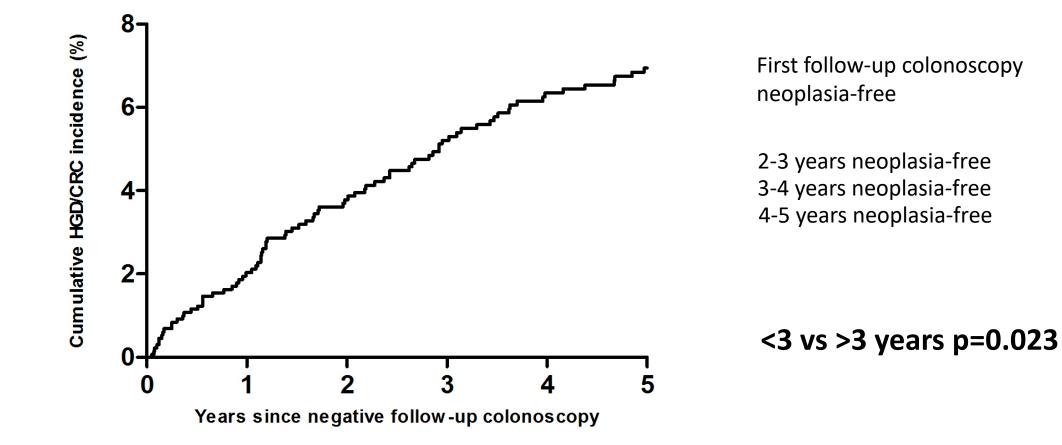


Is recurrent LGD a risk factor for AN?





Impact of negative follow-up colonoscopies





Conclusions

1) IBD patients with recurrent LGD are at increased advanced neoplasia risk compared to patients with non-recurrent LGD (HR 1.8)

2) IBD patients with a negative colonoscopy after initial LGD show a decreased advanced neoplasia risk. A neoplasia-free period > 3 years is associated with a further decreased advanced neoplasia risk.



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Back-up: number of negative colonoscopies

 > 3 years neoplasia-free: No association with number of previous negative colonoscopies (p=0.29)



Neoplasia risk in patients >3 years neoplasia-free

