

# EGAT Study

DENTAL PART: UPDATE 2013



# EGAT Study

Dental part



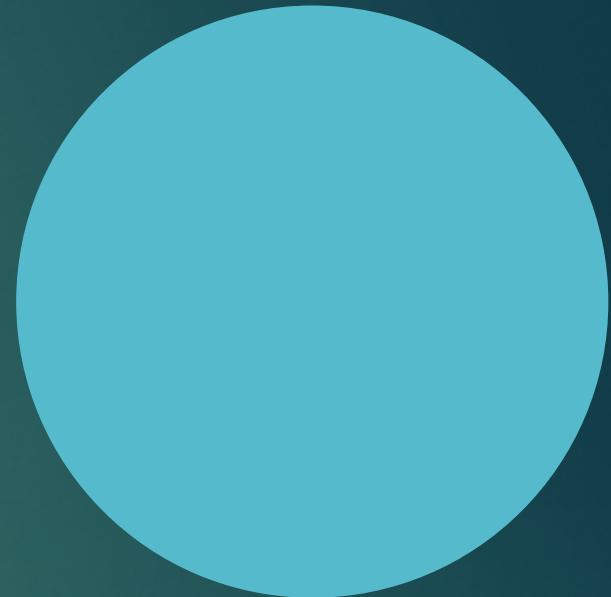
EGAT 1/3 - present



# EGAT Study >> Periodontal disease

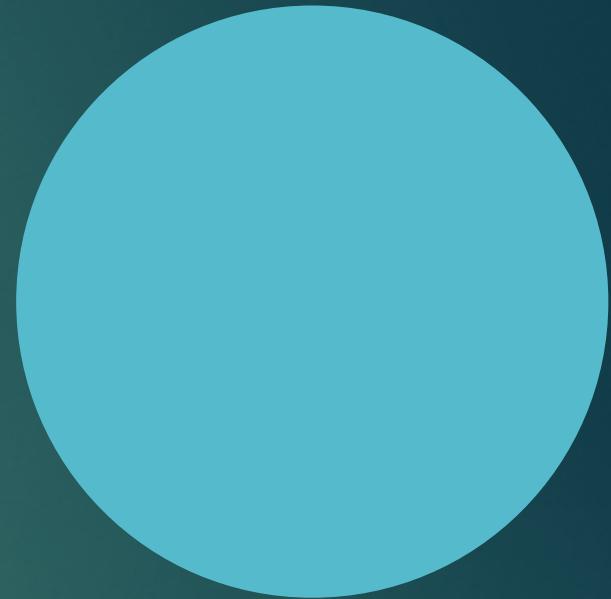
Dental part

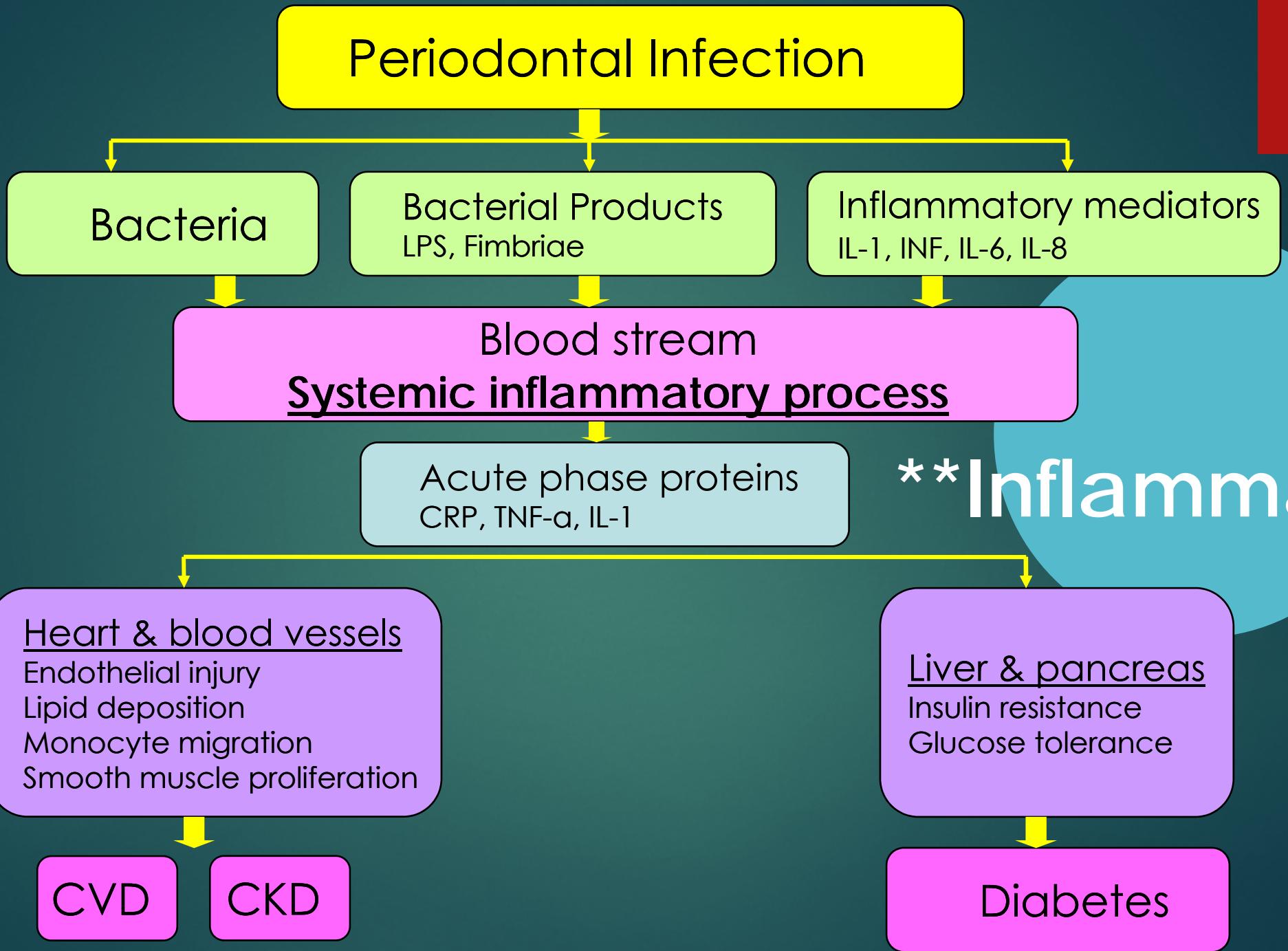
- ▶ Prevalence
- ▶ Risk factors
- ▶ Microbial profiles
- ▶ Periodontitis <<>> Systemic disease



# Periodontitis & Systemic disease

- ▶ CVD
- ▶ Diabetes mellitus
- ▶ Chronic kidney disease





# Natural History of Periodontitis

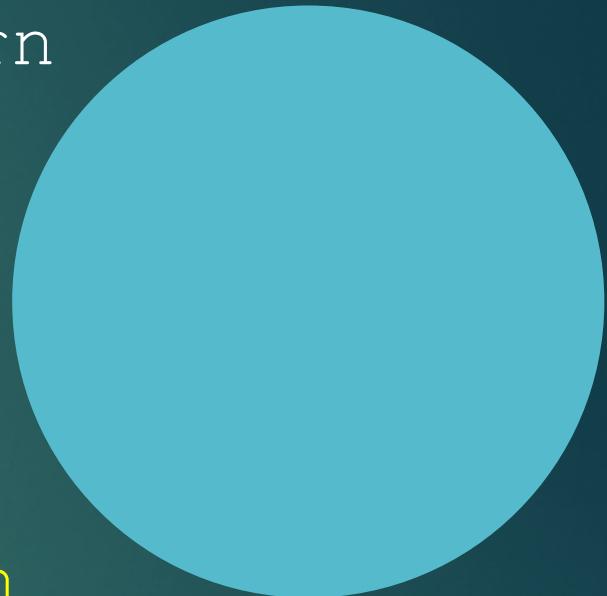


asynchronous multiple burst

# Natural History of Periodontitis

Asynchronous multiple burst pattern

- Stable / Active sites
- Disease Activity >> Inflammation



**" Disease Progression "**

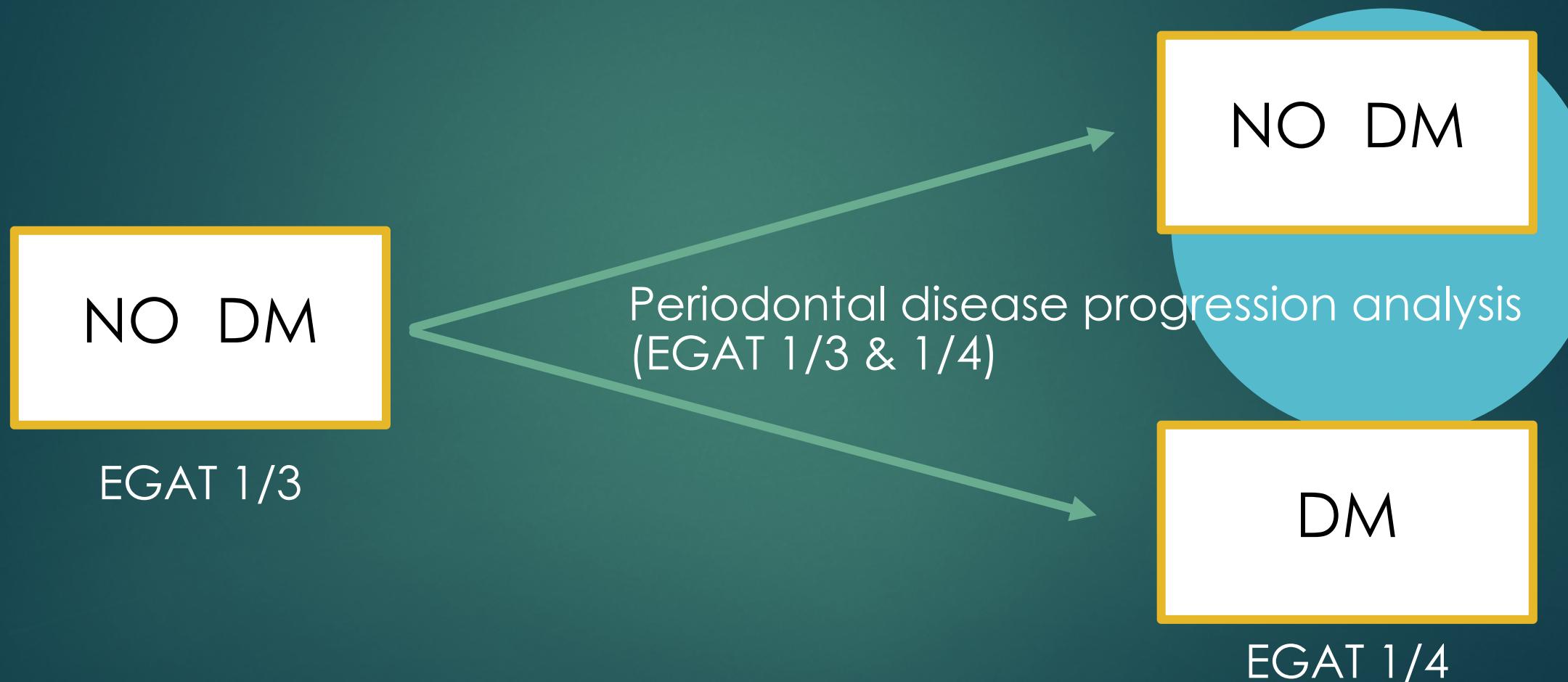
# Periodontal disease progression and the alterations of plasma glucose level

5-YEAR-COHORT STUDY

# Objective

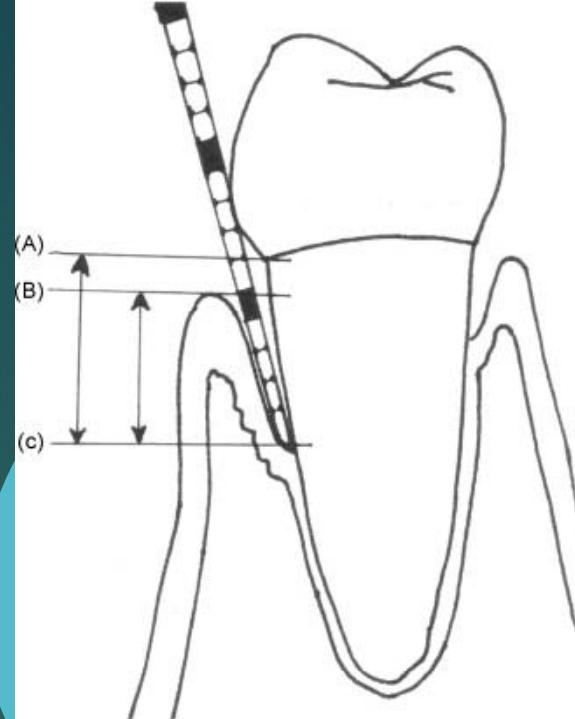
- ▶ To determine the association between periodontal disease progression and the DM development

# Methods

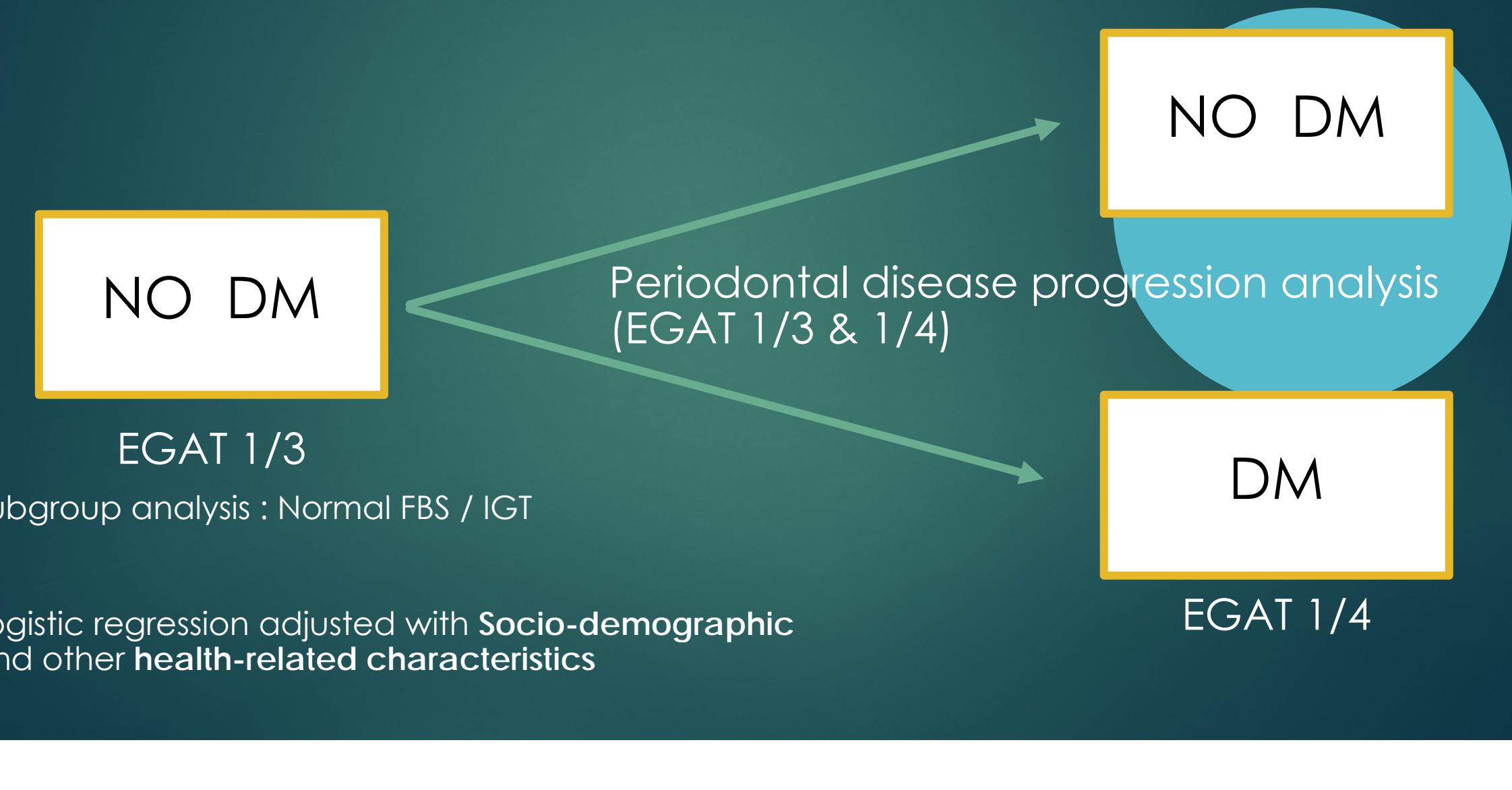


# Disease progression

- Clinical attachment level (CAL)
- 6 sites / tooth
- $\geq 3 \text{ mm}$  = progression
- Grouping by % sites with progression (tertiles):  
Mild / Moderate / Severe



# Methods

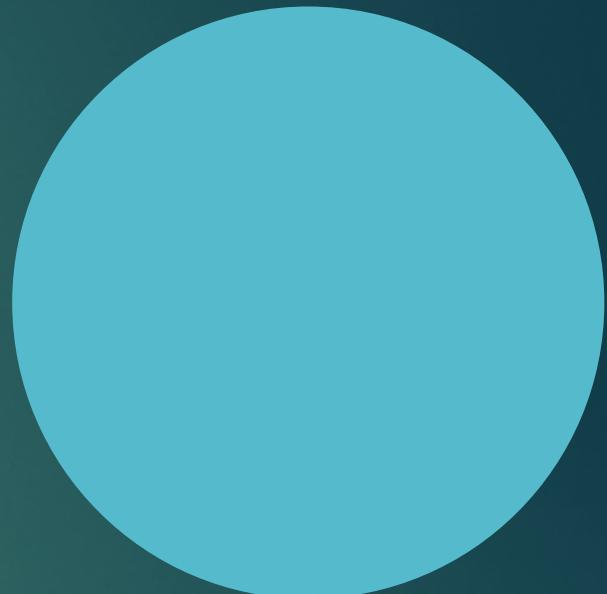


# Results

(Dummy tables)

Normal / IGT

		DM	No DM
Periodontitis Progression	Mild		
	Moderate		
	Severe		



# Discussion

- Few periodontitis progression studies  
(short term & retrospective studies)
- Integral and systematical periodontal data
- **Benefit of disease activity control**

# ขอขอบพระคุณ

- ▶ ภาควิชาอายุรศาสตร์ คณะแพทยศาสตร์ โรงพยาบาลรามาธิบดี มหาวิทยาลัยมหิดล
- ▶ หน่วยทันตกรรมพระราชทาน คณะทันตแพทยศาสตร์ จุฬาลงกรณ์มหาวิทยาลัย
- ▶ ผู้สนับสนุนทุนวิจัย:  
สสส., วช.