**UMF**

**APPOINTMENT**(dentist\_no, dentist\_name, patient\_no,patient\_name, app\_datetime, surgeryroom\_no)

**1NF**

**APPOINTMENT**(dentist\_no, dentist\_name, patient\_no,patient\_name, app\_datetime, surgeryroom\_no)

Candidate keys:

app\_datetime, surgeryroom\_no

dentist\_no, app\_datetime

patient\_no, app\_datetime

Partial dependencies:

dentist\_no -> dentist\_name

**2NF**

**APPOINTMENT**(dentist\_no, dentist\_name, patient\_no,patient\_name, app\_datetime, surgeryroom\_no)

DENTIST(dentist\_no -> dentist\_name)

Transitive dependencies:

patient\_no -> patient\_name

**3NF**

**APPOINTMENT**(dentist\_no, dentist\_name, patient\_no,patient\_name, app\_datetime, surgeryroom\_no)

DENTIST(dentist\_no -> dentist\_name)

PATIENT(patient\_no -> patient\_name)

Full dependencies:

dentist\_no, app\_datetime -> patient\_no, surgeryroom\_no

dentist\_no -> dentist\_name

patient\_no -> patient\_name