CREATE DATABASE clinic;

USE clinic;

CREATE TABLE patient (

case\_history INT UNSIGNED NOT NULL PRIMARY KEY AUTO\_INCREMENT UNIQUE,

surname VARCHAR(100) NOT NULL,

name VARCHAR(100) NOT NULL,

patronym VARCHAR(100),

sex ENUM ('m' , 'f') NOT NULL,

birthday DATE,

phone BIGINT UNSIGNED,

phone\_double BIGINT UNSIGNED,

email VARCHAR(100),

med\_policy BIGINT UNSIGNED UNIQUE,

snils BIGINT UNSIGNED UNIQUE,

passport VARCHAR(500) UNIQUE,

privilege\_code\_1 SMALLINT UNSIGNED,

privilege\_code\_2 SMALLINT UNSIGNED,

privilege\_code\_3 SMALLINT UNSIGNED,

CONSTRAINT patient\_privilege\_code\_1\_fk

FOREIGN KEY (privilege\_code\_1) REFERENCES privilege (code) ON DELETE SET NULL ON UPDATE CASCADE,

CONSTRAINT patient\_privilege\_code\_2\_fk

FOREIGN KEY (privilege\_code\_2) REFERENCES privilege (code) ON DELETE SET NULL ON UPDATE CASCADE,

CONSTRAINT patient\_privilege\_code\_3\_fk

FOREIGN KEY (privilege\_code\_3) REFERENCES privilege (code) ON DELETE SET NULL ON UPDATE CASCADE,

KEY patient\_surname\_name\_patronym\_idx (surname, name, patronym)

);

CREATE TABLE profile (

case\_history INT UNSIGNED NOT NULL PRIMARY KEY UNIQUE,

photo\_patient\_id INT UNSIGNED UNIQUE,

republic VARCHAR(100),

district VARCHAR(100),

city VARCHAR(100),

village VARCHAR(100),

street VARCHAR(100),

house VARCHAR(20),

flat VARCHAR(20),

occupation VARCHAR(100),

study\_place VARCHAR(200),

study\_address VARCHAR(500),

work\_place VARCHAR(200),

work\_address VARCHAR(500),

relatives\_info VARCHAR (10000),

CONSTRAINT profile\_case\_history\_fk

FOREIGN KEY (case\_history) REFERENCES patient (case\_history) ON DELETE RESTRICT ON UPDATE RESTRICT,

CONSTRAINT profile\_photo\_patient\_id\_fk

FOREIGN KEY (photo\_patient\_id) REFERENCES photo\_patient (id) ON DELETE RESTRICT ON UPDATE CASCADE

);

CREATE TABLE photo\_patient (

id INT UNSIGNED NOT NULL PRIMARY KEY AUTO\_INCREMENT UNIQUE,

name VARCHAR(100) NOT NULL UNIQUE,

photo BLOB

);

CREATE TABLE privilege (

code SMALLINT UNSIGNED NOT NULL,

egisso INT UNSIGNED,

name VARCHAR(500) NOT NULL,

MKB\_10\_code VARCHAR(15),

vol\_of\_med\_care\_id TINYINT UNSIGNED,

PRIMARY KEY (name),

CONSTRAINT privilege\_MKB\_10\_code\_fk

FOREIGN KEY (MKB\_10\_code) REFERENCES MKB\_10 (code) ON DELETE RESTRICT ON UPDATE CASCADE,

CONSTRAINT privilege\_vol\_of\_med\_care\_id\_fk

FOREIGN KEY (vol\_of\_med\_care\_id) REFERENCES volume\_of\_med\_care (id) ON DELETE SET NULL ON UPDATE CASCADE,

KEY privilege\_code\_idx (code)

);

CREATE TABLE volume\_of\_med\_care (

id TINYINT UNSIGNED NOT NULL PRIMARY KEY AUTO\_INCREMENT UNIQUE,

vol\_of\_med\_care VARCHAR(5000)

);

CREATE TABLE MKB\_10 (

code VARCHAR(15) NOT NULL PRIMARY KEY UNIQUE,

illness VARCHAR(1000) NOT NULL,

bloc VARCHAR(10),

class VARCHAR(20),

KEY MKB\_10\_bloc\_idx (bloc),

KEY MKB\_10\_class\_idx (class)

);

CREATE TABLE drug (

id INT UNSIGNED NOT NULL PRIMARY KEY AUTO\_INCREMENT UNIQUE,

tradename VARCHAR(255) NOT NULL,

active\_substance VARCHAR(255),

drug\_view ENUM ('origin', 'generic', 'combi'),

instruction TEXT,

UNIQUE KEY drug\_tradename\_uk (tradename),

KEY drug\_active\_substance\_idx (active\_substance)

);

CREATE TABLE MKB\_10\_drug (

MKB\_10\_code VARCHAR(15) NOT NULL,

drug\_id INT UNSIGNED NOT NULL,

PRIMARY KEY (MKB\_10\_code, drug\_id),

CONSTRAINT MKB\_10\_drug\_MKB\_10\_code\_fk

FOREIGN KEY (MKB\_10\_code) REFERENCES MKB\_10 (code) ON DELETE CASCADE ON UPDATE CASCADE,

CONSTRAINT MKB\_10\_drug\_drug\_id\_fk

FOREIGN KEY (drug\_id) REFERENCES drug (id) ON DELETE CASCADE ON UPDATE CASCADE,

KEY MKB\_10\_drug\_drug\_id\_idx (drug\_id)

);

CREATE TABLE privilege\_drug (

drug\_id INT UNSIGNED NOT NULL,

privilege\_code SMALLINT UNSIGNED NOT NULL,

PRIMARY KEY (drug\_id, privilege\_code),

CONSTRAINT privilege\_drug\_drug\_id\_fk

FOREIGN KEY (drug\_id) REFERENCES drug (id) ON DELETE CASCADE ON UPDATE CASCADE,

CONSTRAINT privilege\_drug\_privilege\_code\_fk

FOREIGN KEY (privilege\_code) REFERENCES privilege (code) ON DELETE CASCADE ON UPDATE CASCADE

);

CREATE TABLE medical\_staff (

id INT UNSIGNED NOT NULL PRIMARY KEY AUTO\_INCREMENT UNIQUE,

surname VARCHAR(100) NOT NULL,

name VARCHAR(100) NOT NULL,

patronym VARCHAR(100),

sex ENUM ('m' , 'f') NOT NULL,

specialty\_id TINYINT UNSIGNED NOT NULL,

category\_id TINYINT UNSIGNED,

degree\_id TINYINT UNSIGNED,

photo\_staff\_id INT UNSIGNED,

birthday DATE NOT NULL,

phone BIGINT UNSIGNED,

phone\_double BIGINT UNSIGNED,

email VARCHAR(100),

work\_place VARCHAR(200),

ogrn\_work\_place BIGINT UNSIGNED,

work\_address VARCHAR(500),

history VARCHAR(10000),

CONSTRAINT medical\_staff\_specialty\_id\_fk

FOREIGN KEY (specialty\_id) REFERENCES specialty (id) ON DELETE RESTRICT ON UPDATE CASCADE,

CONSTRAINT medical\_staff\_category\_id\_fk

FOREIGN KEY (category\_id) REFERENCES category (id) ON DELETE RESTRICT ON UPDATE CASCADE,

CONSTRAINT medical\_staff\_degree\_id\_fk

FOREIGN KEY (degree\_id) REFERENCES degree (id) ON DELETE RESTRICT ON UPDATE CASCADE,

CONSTRAINT medical\_staff\_photo\_staff\_id\_fk

FOREIGN KEY (photo\_staff\_id) REFERENCES photo\_staff (id) ON DELETE RESTRICT ON UPDATE CASCADE,

KEY medical\_staff\_surname\_name\_patronym\_idx (surname, name, patronym),

KEY medical\_staff\_specialty\_id\_idx (specialty\_id),

KEY medical\_staff\_ogrn\_work\_place\_idx (ogrn\_work\_place)

);

CREATE TABLE photo\_staff (

id INT UNSIGNED NOT NULL PRIMARY KEY AUTO\_INCREMENT UNIQUE,

name VARCHAR(100) NOT NULL UNIQUE,

photo BLOB

);

CREATE TABLE specialty (

id TINYINT UNSIGNED NOT NULL PRIMARY KEY AUTO\_INCREMENT UNIQUE,

name VARCHAR(200) NOT NULL UNIQUE

);

CREATE TABLE category (

id TINYINT UNSIGNED NOT NULL PRIMARY KEY AUTO\_INCREMENT UNIQUE,

name VARCHAR(50) NOT NULL UNIQUE

);

CREATE TABLE degree (

id TINYINT UNSIGNED NOT NULL PRIMARY KEY AUTO\_INCREMENT UNIQUE,

name VARCHAR(50) NOT NULL UNIQUE

);

CREATE TABLE chronic\_illness (

case\_history INT UNSIGNED NOT NULL,

MKB\_10\_code VARCHAR(15) NOT NULL,

doctor\_id INT UNSIGNED NOT NULL,

date\_update DATETIME NOT NULL DEFAULT NOW(),

basis\_drug\_id INT UNSIGNED NOT NULL,

use\_drug VARCHAR(500),

by\_privilege ENUM ('yes', 'no'),

assigned ENUM ('accept', 'cancel'),

CONSTRAINT chronic\_illness\_case\_history\_fk

FOREIGN KEY (case\_history) REFERENCES patient (case\_history) ON DELETE RESTRICT ON UPDATE RESTRICT,

CONSTRAINT chronic\_illness\_MKB\_10\_code\_fk

FOREIGN KEY (MKB\_10\_code) REFERENCES MKB\_10 (code) ON DELETE RESTRICT ON UPDATE CASCADE,

CONSTRAINT chronic\_illness\_doctor\_id\_fk

FOREIGN KEY (doctor\_id) REFERENCES medical\_staff (id) ON DELETE NO ACTION ON UPDATE CASCADE,

CONSTRAINT chronic\_illness\_basis\_drug\_id\_fk

FOREIGN KEY (basis\_drug\_id) REFERENCES drug (id) ON DELETE NO ACTION ON UPDATE CASCADE,

PRIMARY KEY chronic\_illness\_case\_history\_basis\_drug\_id\_idx (case\_history, basis\_drug\_id),

KEY chronic\_illness\_MKB\_10\_code\_idx (MKB\_10\_code),

KEY chronic\_illness\_case\_history\_doctor\_id\_idx (case\_history, doctor\_id)

);

CREATE TABLE dispansery\_observation (

case\_history INT UNSIGNED NOT NULL,

MKB\_10\_code VARCHAR(15) NOT NULL,

specialty\_id TINYINT UNSIGNED NOT NULL,

PRIMARY KEY (case\_history, MKB\_10\_code),

CONSTRAINT dispansery\_observation\_case\_history\_fk

FOREIGN KEY (case\_history) REFERENCES patient (case\_history) ON DELETE RESTRICT ON UPDATE RESTRICT,

CONSTRAINT dispansery\_observation\_MKB\_10\_code\_fk

FOREIGN KEY (MKB\_10\_code) REFERENCES MKB\_10 (code) ON DELETE RESTRICT ON UPDATE CASCADE,

CONSTRAINT dispansery\_observation\_specialty\_id\_fk

FOREIGN KEY (specialty\_id) REFERENCES specialty (id) ON DELETE RESTRICT ON UPDATE CASCADE,

KEY dispansery\_observation\_MKB\_10\_code\_idx (MKB\_10\_code)

);

CREATE TABLE allergy\_drug (

case\_history INT UNSIGNED NOT NULL,

drug\_id INT UNSIGNED NOT NULL,

CONSTRAINT allergy\_drug\_case\_history\_fk

FOREIGN KEY (case\_history) REFERENCES patient (case\_history) ON DELETE RESTRICT ON UPDATE RESTRICT,

CONSTRAINT allergy\_drug\_drug\_id\_fk

FOREIGN KEY (drug\_id) REFERENCES drug (id) ON DELETE NO ACTION ON UPDATE CASCADE,

PRIMARY KEY (case\_history, drug\_id)

);

CREATE TABLE allergy\_not\_drug (

case\_history INT UNSIGNED NOT NULL PRIMARY KEY,

not\_drug VARCHAR(500) NOT NULL,

CONSTRAINT allergy\_not\_drug\_case\_history\_fk

FOREIGN KEY (case\_history) REFERENCES patient (case\_history) ON DELETE RESTRICT ON UPDATE RESTRICT

);

CREATE TABLE visit\_gp (

case\_history INT UNSIGNED NOT NULL,

doctor\_id INT UNSIGNED NOT NULL,

date\_visit DATETIME NOT NULL DEFAULT NOW(),

general\_status ENUM ('satisfactory condition', 'moderate condition', 'serious condition', 'extremely serious condition', 'terminal state', 'clinical death') NOT NULL,

inspection\_link VARCHAR(500),

diagnosis\_full VARCHAR(5000),

diagnosis\_1\_MKB\_10\_code VARCHAR(15) NOT NULL,

diagnosis\_2\_MKB\_10\_code VARCHAR(15),

diagnosis\_3\_MKB\_10\_code VARCHAR(15),

diet VARCHAR(500),

recommendation VARCHAR(500),

sick\_list\_number INT UNSIGNED,

PRIMARY KEY (case\_history, date\_visit, doctor\_id),

CONSTRAINT visit\_gp\_case\_history\_fk

FOREIGN KEY (case\_history) REFERENCES patient (case\_history) ON DELETE RESTRICT ON UPDATE RESTRICT,

CONSTRAINT visit\_gp\_MKB\_10\_code\_1\_fk

FOREIGN KEY (diagnosis\_1\_MKB\_10\_code) REFERENCES MKB\_10 (code) ON DELETE NO ACTION ON UPDATE CASCADE,

CONSTRAINT visit\_gp\_MKB\_10\_code\_2\_fk

FOREIGN KEY (diagnosis\_2\_MKB\_10\_code) REFERENCES MKB\_10 (code) ON DELETE NO ACTION ON UPDATE CASCADE,

CONSTRAINT visit\_gp\_MKB\_10\_code\_3\_fk

FOREIGN KEY (diagnosis\_3\_MKB\_10\_code) REFERENCES MKB\_10 (code) ON DELETE NO ACTION ON UPDATE CASCADE,

CONSTRAINT visit\_gp\_doctor\_id\_fk

FOREIGN KEY (doctor\_id) REFERENCES medical\_staff (id) ON DELETE NO ACTION ON UPDATE CASCADE,

KEY visit\_gp\_case\_history\_doctor\_id\_idx (case\_history, doctor\_id)

);

CREATE TABLE visit\_specialty (

case\_history INT UNSIGNED NOT NULL,

doctor\_id INT UNSIGNED NOT NULL,

date\_visit DATETIME NOT NULL DEFAULT NOW(),

general\_status ENUM ('satisfactory condition', 'moderate condition', 'serious condition', 'extremely serious condition', 'terminal state', 'clinical death') NOT NULL,

inspection\_link VARCHAR(500),

diagnosis\_full VARCHAR(5000),

diagnosis\_1\_MKB\_10\_code VARCHAR(15) NOT NULL,

diagnosis\_2\_MKB\_10\_code VARCHAR(15),

diagnosis\_3\_MKB\_10\_code VARCHAR(15),

diet VARCHAR(500),

recommendation VARCHAR(500),

sick\_list\_number INT UNSIGNED,

PRIMARY KEY (case\_history, date\_visit, doctor\_id),

CONSTRAINT visit\_specialty\_case\_history\_fk

FOREIGN KEY (case\_history) REFERENCES patient (case\_history) ON DELETE RESTRICT ON UPDATE RESTRICT,

CONSTRAINT visit\_specialty\_MKB\_10\_code\_1\_fk

FOREIGN KEY (diagnosis\_1\_MKB\_10\_code) REFERENCES MKB\_10 (code) ON DELETE NO ACTION ON UPDATE CASCADE,

CONSTRAINT visit\_specialty\_MKB\_10\_code\_2\_fk

FOREIGN KEY (diagnosis\_2\_MKB\_10\_code) REFERENCES MKB\_10 (code) ON DELETE NO ACTION ON UPDATE CASCADE,

CONSTRAINT visit\_specialty\_MKB\_10\_code\_3\_fk

FOREIGN KEY (diagnosis\_3\_MKB\_10\_code) REFERENCES MKB\_10 (code) ON DELETE NO ACTION ON UPDATE CASCADE,

CONSTRAINT visit\_specialty\_doctor\_id\_fk

FOREIGN KEY (doctor\_id) REFERENCES medical\_staff (id) ON DELETE NO ACTION ON UPDATE CASCADE,

KEY visit\_specialty\_case\_history\_doctor\_id\_idx (case\_history, doctor\_id)

);

CREATE TABLE med\_terapia (

case\_history INT UNSIGNED NOT NULL,

drug\_id INT UNSIGNED NOT NULL,

doctor\_id INT UNSIGNED NOT NULL,

date\_visit DATETIME NOT NULL DEFAULT NOW(),

use\_drug VARCHAR(500),

by\_privilege ENUM ('yes', 'no'),

PRIMARY KEY (case\_history, drug\_id, date\_visit),

CONSTRAINT med\_terapia\_case\_history\_fk

FOREIGN KEY (case\_history) REFERENCES patient (case\_history) ON DELETE RESTRICT ON UPDATE RESTRICT,

CONSTRAINT med\_terapia\_doctor\_id\_fk

FOREIGN KEY (doctor\_id) REFERENCES medical\_staff (id) ON DELETE NO ACTION ON UPDATE CASCADE,

CONSTRAINT med\_terapia\_drug\_id\_fk

FOREIGN KEY (drug\_id) REFERENCES drug (id) ON DELETE NO ACTION ON UPDATE CASCADE,

KEY med\_terapia\_case\_history\_doctor\_id\_idx (case\_history, doctor\_id)

);

CREATE TABLE sick\_list (

number INT UNSIGNED NOT NULL UNIQUE PRIMARY KEY,

case\_history INT UNSIGNED NOT NULL,

ogrn\_id BIGINT UNSIGNED NOT NULL,

date\_open DATETIME NOT NULL DEFAULT NOW(),

date\_close DATETIME,

doctor\_id\_open INT UNSIGNED NOT NULL,

doctor\_id\_close INT UNSIGNED,

continuation\_number INT UNSIGNED,

cause\_code TINYINT UNSIGNED,

cause\_add\_code SMALLINT UNSIGNED,

CONSTRAINT sick\_list\_case\_history\_fk

FOREIGN KEY (case\_history) REFERENCES patient (case\_history) ON DELETE RESTRICT ON UPDATE RESTRICT,

CONSTRAINT sick\_list\_ogrn\_id\_fk

FOREIGN KEY (ogrn\_id) REFERENCES medical\_staff (ogrn\_work\_place) ON DELETE NO ACTION ON UPDATE NO ACTION,

CONSTRAINT sick\_list\_doctor\_id\_open\_fk

FOREIGN KEY (doctor\_id\_open) REFERENCES medical\_staff (id) ON DELETE NO ACTION ON UPDATE NO ACTION,

CONSTRAINT sick\_list\_doctor\_id\_close\_fk

FOREIGN KEY (doctor\_id\_close) REFERENCES medical\_staff (id) ON DELETE NO ACTION ON UPDATE NO ACTION,

CONSTRAINT sick\_list\_continuation\_number\_fk

FOREIGN KEY (continuation\_number) REFERENCES sick\_list (number) ON DELETE RESTRICT ON UPDATE RESTRICT,

KEY sick\_list\_case\_history\_idx (case\_history)

);

CREATE TABLE clinical\_diagnostic (

case\_history INT UNSIGNED NOT NULL,

clinical\_diagnostic\_id SMALLINT UNSIGNED NOT NULL,

doctor\_assigner\_id INT UNSIGNED NOT NULL,

date\_assigned DATETIME NOT NULL DEFAULT NOW(),

doctor\_executor\_id INT UNSIGNED,

date\_executed DATETIME,

result\_link VARCHAR(500),

norma ENUM ('norm', 'abnorm', 'undefined'),

PRIMARY KEY (case\_history, clinical\_diagnostic\_id, date\_assigned),

CONSTRAINT clinical\_diagnostic\_case\_history\_fk

FOREIGN KEY (case\_history) REFERENCES patient (case\_history) ON DELETE RESTRICT ON UPDATE RESTRICT,

CONSTRAINT clinical\_diagnostic\_clinical\_diagnostic\_id\_fk

FOREIGN KEY (clinical\_diagnostic\_id) REFERENCES clinical\_diagnostic\_name (id) ON DELETE NO ACTION ON UPDATE CASCADE,

CONSTRAINT clinical\_diagnostic\_doctor\_assigner\_id\_fk

FOREIGN KEY (doctor\_assigner\_id) REFERENCES medical\_staff (id) ON DELETE NO ACTION ON UPDATE CASCADE,

CONSTRAINT clinical\_diagnostic\_doctor\_executor\_id\_fk

FOREIGN KEY (doctor\_executor\_id) REFERENCES medical\_staff (id) ON DELETE NO ACTION ON UPDATE CASCADE,

KEY clinical\_diagnostic\_case\_history\_clinical\_diagnostic\_id\_idx (case\_history, clinical\_diagnostic\_id)

);

CREATE TABLE rg\_diagnostic (

case\_history INT UNSIGNED NOT NULL,

rg\_diagnostic\_id SMALLINT UNSIGNED NOT NULL,

doctor\_assigner\_id INT UNSIGNED NOT NULL,

date\_assigned DATETIME NOT NULL DEFAULT NOW(),

doctor\_executor\_id INT UNSIGNED,

date\_executed\_id DATETIME,

result\_link VARCHAR(500),

norma ENUM ('norm', 'abnorm', 'undefined'),

PRIMARY KEY (case\_history, rg\_diagnostic\_id, date\_assigned),

CONSTRAINT rg\_diagnostic\_case\_history\_fk

FOREIGN KEY (case\_history) REFERENCES patient (case\_history) ON DELETE RESTRICT ON UPDATE RESTRICT,

CONSTRAINT rg\_diagnostic\_rg\_diagnostic\_id\_fk

FOREIGN KEY (rg\_diagnostic\_id) REFERENCES rg\_diagnostic\_name (id) ON DELETE NO ACTION ON UPDATE CASCADE,

CONSTRAINT rg\_diagnostic\_doctor\_assigner\_id\_fk

FOREIGN KEY (doctor\_assigner\_id) REFERENCES medical\_staff (id) ON DELETE NO ACTION ON UPDATE CASCADE,

CONSTRAINT rg\_diagnostic\_doctor\_executor\_id\_fk

FOREIGN KEY (doctor\_executor\_id) REFERENCES medical\_staff (id) ON DELETE NO ACTION ON UPDATE CASCADE,

KEY rg\_diagnostic\_case\_history\_rg\_diagnostic\_id\_idx (case\_history, rg\_diagnostic\_id)

);

CREATE TABLE functional\_diagnostic (

case\_history INT UNSIGNED NOT NULL,

functional\_diagnostic\_id SMALLINT UNSIGNED NOT NULL,

doctor\_assigner\_id INT UNSIGNED NOT NULL,

date\_assigned DATETIME NOT NULL DEFAULT NOW(),

doctor\_executor\_id INT UNSIGNED,

date\_executed DATETIME,

result\_link VARCHAR(500),

norma ENUM ('norm', 'abnorm', 'undefined'),

PRIMARY KEY (case\_history, functional\_diagnostic\_id, date\_assigned),

CONSTRAINT functional\_diagnostic\_case\_history\_fk

FOREIGN KEY (case\_history) REFERENCES patient (case\_history) ON DELETE RESTRICT ON UPDATE RESTRICT,

CONSTRAINT functional\_diagnostic\_functional\_diagnostic\_id\_fk

FOREIGN KEY (functional\_diagnostic\_id) REFERENCES functional\_diagnostic\_name (id) ON DELETE NO ACTION ON UPDATE CASCADE,

CONSTRAINT functional\_diagnostic\_doctor\_assigner\_id\_fk

FOREIGN KEY (doctor\_assigner\_id) REFERENCES medical\_staff (id) ON DELETE NO ACTION ON UPDATE CASCADE,

CONSTRAINT functional\_diagnostic\_doctor\_executor\_id\_fk

FOREIGN KEY (doctor\_executor\_id) REFERENCES medical\_staff (id) ON DELETE NO ACTION ON UPDATE CASCADE,

KEY functional\_diagnostic\_case\_history\_functional\_diagnostic\_id\_idx (case\_history, functional\_diagnostic\_id)

);

CREATE TABLE us\_diagnostic (

case\_history INT UNSIGNED NOT NULL,

us\_diagnostic\_id SMALLINT UNSIGNED NOT NULL,

doctor\_assigner\_id INT UNSIGNED NOT NULL,

date\_assigned DATETIME NOT NULL DEFAULT NOW(),

doctor\_executor\_id INT UNSIGNED,

date\_executed DATETIME,

result\_link VARCHAR(500),

norma ENUM ('norm', 'abnorm', 'undefined'),

PRIMARY KEY (case\_history, us\_diagnostic\_id, date\_assigned),

CONSTRAINT us\_diagnostic\_case\_history\_fk

FOREIGN KEY (case\_history) REFERENCES patient (case\_history) ON DELETE RESTRICT ON UPDATE RESTRICT,

CONSTRAINT us\_diagnostic\_us\_diagnostic\_id\_fk

FOREIGN KEY (us\_diagnostic\_id) REFERENCES us\_diagnostic\_name (id) ON DELETE NO ACTION ON UPDATE CASCADE,

CONSTRAINT us\_diagnostic\_doctor\_assigner\_id\_fk

FOREIGN KEY (doctor\_assigner\_id) REFERENCES medical\_staff (id) ON DELETE NO ACTION ON UPDATE CASCADE,

CONSTRAINT us\_diagnostic\_doctor\_executor\_id\_fk

FOREIGN KEY (doctor\_executor\_id) REFERENCES medical\_staff (id) ON DELETE NO ACTION ON UPDATE CASCADE,

KEY us\_diagnostic\_case\_history\_us\_diagnostic\_id\_idx (case\_history, us\_diagnostic\_id)

);

CREATE TABLE endoscopic\_diagnostic (

case\_history INT UNSIGNED NOT NULL,

endoscopic\_diagnostic\_id SMALLINT UNSIGNED NOT NULL,

doctor\_assigner\_id INT UNSIGNED NOT NULL,

date\_assigned DATETIME NOT NULL DEFAULT NOW(),

doctor\_executor\_id INT UNSIGNED,

date\_executed DATETIME,

result\_link VARCHAR(500),

norma ENUM ('norm', 'abnorm', 'undefined'),

PRIMARY KEY (case\_history, endoscopic\_diagnostic\_id, date\_assigned),

CONSTRAINT endoscopic\_diagnostic\_case\_history\_fk

FOREIGN KEY (case\_history) REFERENCES patient (case\_history) ON DELETE RESTRICT ON UPDATE RESTRICT,

CONSTRAINT endoscopic\_diagnostic\_endoscopic\_diagnostic\_id\_fk

FOREIGN KEY (endoscopic\_diagnostic\_id) REFERENCES endoscopic\_diagnostic\_name (id) ON DELETE NO ACTION ON UPDATE CASCADE,

CONSTRAINT endoscopic\_diagnostic\_doctor\_assigner\_id\_fk

FOREIGN KEY (doctor\_assigner\_id) REFERENCES medical\_staff (id) ON DELETE NO ACTION ON UPDATE CASCADE,

CONSTRAINT endoscopic\_diagnostic\_doctor\_executor\_id\_fk

FOREIGN KEY (doctor\_executor\_id) REFERENCES medical\_staff (id) ON DELETE NO ACTION ON UPDATE CASCADE,

KEY endoscopic\_diagnostic\_case\_history\_endoscopic\_diagnostic\_id\_idx (case\_history, endoscopic\_diagnostic\_id)

);

CREATE TABLE clinical\_diagnostic\_name (

id SMALLINT UNSIGNED NOT NULL PRIMARY KEY AUTO\_INCREMENT,

name VARCHAR(500) NOT NULL,

KEY clinical\_diagnostic\_name\_idx (name)

);

CREATE TABLE rg\_diagnostic\_name (

id SMALLINT UNSIGNED NOT NULL PRIMARY KEY AUTO\_INCREMENT,

name VARCHAR(500) NOT NULL,

KEY rg\_diagnostic\_name\_idx (name)

);

CREATE TABLE functional\_diagnostic\_name (

id SMALLINT UNSIGNED NOT NULL PRIMARY KEY AUTO\_INCREMENT,

name VARCHAR(500) NOT NULL,

KEY functional\_diagnostic\_name\_idx (name)

);

CREATE TABLE us\_diagnostic\_name (

id SMALLINT UNSIGNED NOT NULL PRIMARY KEY AUTO\_INCREMENT,

name VARCHAR(500) NOT NULL,

KEY us\_diagnostic\_name\_idx (name)

);

CREATE TABLE endoscopic\_diagnostic\_name (

id SMALLINT UNSIGNED NOT NULL PRIMARY KEY AUTO\_INCREMENT,

name VARCHAR(500) NOT NULL,

KEY endoscopic\_diagnostic\_name\_idx (name)

);