

# Medical Procedure Module: Finalized Design

Generated on 2025-07-07 17:03:58

## Procedure Flow Overview

1. Doctor selects procedure type: Single-Day or Scheduled.
2. If Single-Day:
  - Enters all procedure details immediately.
  - Procedure marked as 'completed'.
3. If Scheduled:
  - Sets planned procedure date.
  - Procedure status is 'scheduled'.
  - Doctor later adds procedure details -> status changes to 'ongoing'.
  - Daily updates logged via 'procedure\_daily\_log'.
  - When finished, doctor marks as 'completed'.

## Database Schema

Table: medical\_procedure

- procedure\_id VARCHAR(20) PRIMARY KEY
- appointment\_id VARCHAR(20) NOT NULL
- h\_id VARCHAR(20) NOT NULL
- provider\_id VARCHAR(20) NOT NULL
- doctor\_id VARCHAR(20) NOT NULL
- procedure\_date DATE NOT NULL
- diagnosis TEXT
- recommendations TEXT
- from\_date TIMESTAMP
- to\_date TIMESTAMP
- status ENUM('scheduled', 'ongoing', 'completed')
- created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP

Table: procedure\_daily\_log

- log\_id VARCHAR(20) PRIMARY KEY
- procedure\_id VARCHAR(20) NOT NULL (FK to medical\_procedure)
- log\_date DATE NOT NULL
- diagnosis\_update TEXT
- recommendations TEXT
- created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP

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- Table: prescription (with link to daily log)
- prescription\_id VARCHAR(20) PRIMARY KEY
  - procedure\_id VARCHAR(20) NOT NULL
  - log\_id VARCHAR(20) (FK to procedure\_daily\_log)
  - h\_id VARCHAR(20) NOT NULL
  - provider\_id VARCHAR(20) NOT NULL
  - doctor\_id VARCHAR(20) NOT NULL
  - written\_on TIMESTAMP DEFAULT CURRENT\_TIMESTAMP
  - start\_date TIMESTAMP
  - end\_date TIMESTAMP
  - created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP

- Table: prescribed\_medicines & prescribed\_tests
- Both link to prescription\_id (FK to prescription)
  - These remain unchanged in structure

## Status Transition Summary

Stage	Action Taken
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Scheduled	Doctor sets planned date
First Entry	Doctor enters first treatment -> 'ongoing'
Daily Updates	Added to procedure_daily_log
Completion	Final update -> status = 'completed'