

# HISTOPATHOLOGICAL REQUEST FORM





## for better usability

#### **ABOUT US**

The Division of Laboratory Medicine at Changi General Hospital, offers a comprehensive range of laboratory tests for the diagnosis, management and prevention of a wide variety of diseases.

Histopathology refers to the microscopic examination of whole tissues in order to study the manifestations of disease.

Cytopathology, sometimes called smear test, is generally used on samples of free cells or tissue fragments.

A Histopathological Request Form is required to be completed for all laboratory test.

For Lab Use Only

нт 0 0 0 0 0 1

### **METHODOLOGY**

The histopathological request form underwent a total of 7 design reiterations (PDSA cycles), aimed at aiding users in preparing specimens.

The new form now features duplicated serial number tabs, specially designed to be stuck easily using existing patient ID labels, thereby reducing transcribing errors resulting from manual copying of serial numbers.

Other features include various reminders to help communicate vital information that may otherwise result in specimen rejection if not complied.

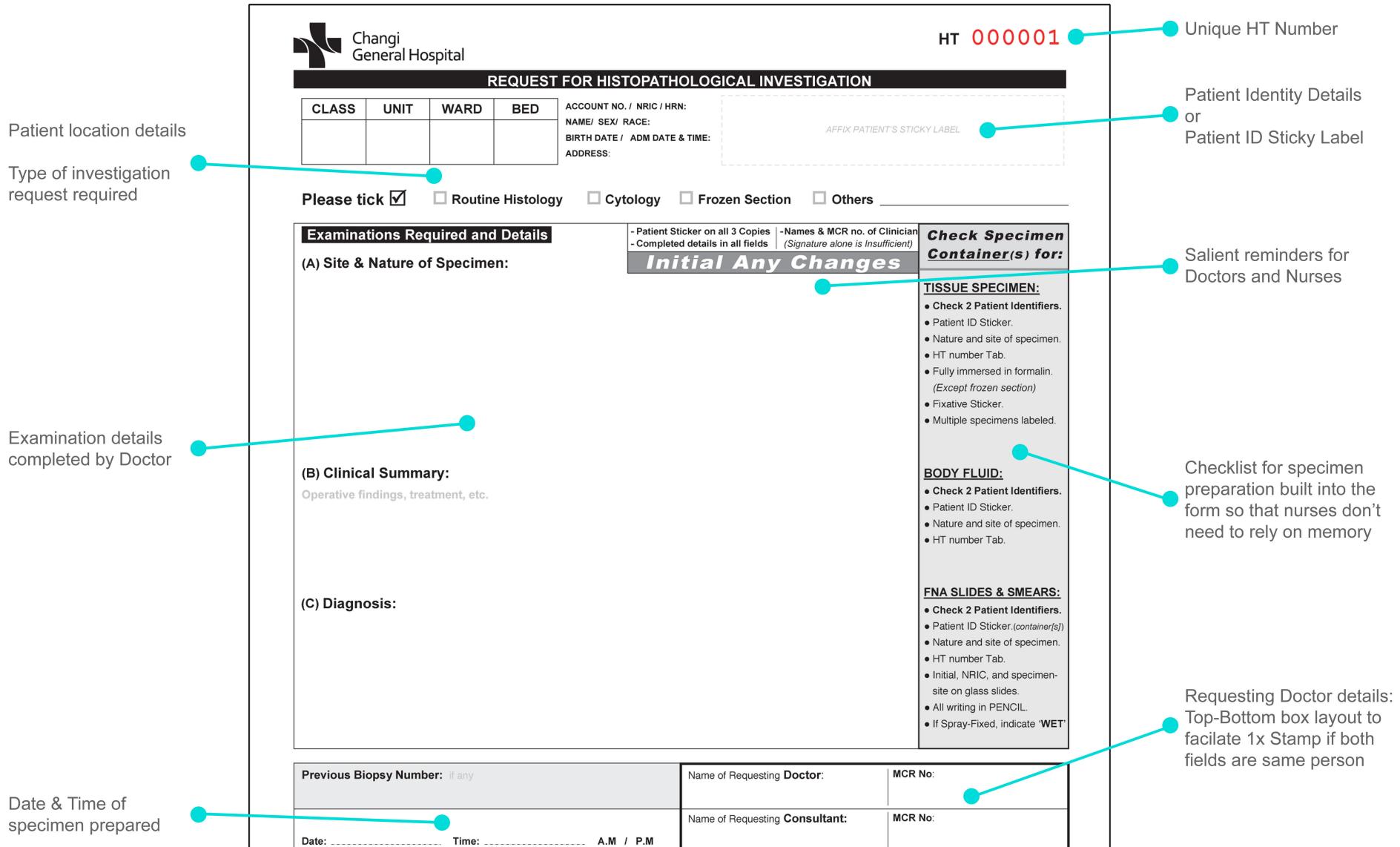
## **RESULT**

The forms were piloted at in-patient, out-patient, and surgical settings. Over a period of 6 months, pre- and post-pilot rejection data were captured and analysed. Refinements was done to further perfect the form design based on user feedbacks.

On average, the new form resulted in 50% reduction in specimen rejections by the laboratory across the different trial clinical units.

Rejections due to incorrect serial numbers within a specimen dispatch was brought down to near-zero (and subsequently zero) using the redesigned form, traditionally the third most frequent reason for rejections.

## REDESIGNED FORM



**CYTOLOGY** 

HT 0010
Cervical (pap) Smear

Nongynaecological,

Affix Patient ID Sticker Over

нт 0 0 0 0 0 1

Special Stains

Affix Patient ID Sticker Over

нт 0 0 0 0 0 1

HISTOLOGY

☐ HT 0050 Small, Single

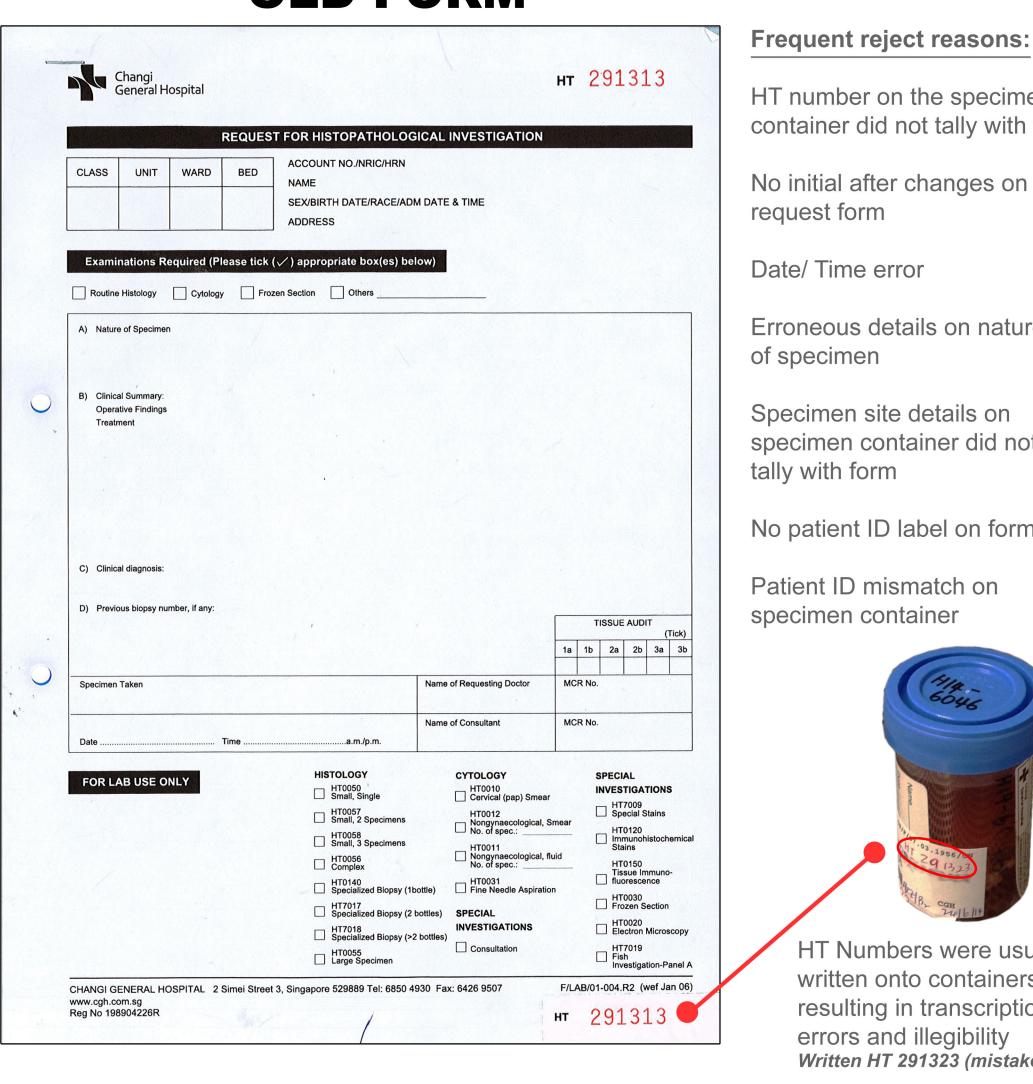
☐ HT 0056 Complex

нт 0 0 0 0 0 1

HT 0057
Small, 2 Specimens

HT 0140
Specialized Biopsy, 1 bottle

## **OLD FORM**



HT number on the specimen container did not tally with form No initial after changes on Date/ Time error Erroneous details on nature Specimen site details on specimen container did not tally with form No patient ID label on form

specimen container



written onto containers, resulting in transcription errors and illegibility Written HT 291323 (mistake)

## Using HT Tabs

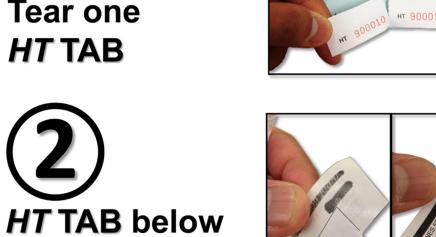


TISSUE AUDIT ☑

нт 0 0 0 0 0 1

**HT** TAB

patient ID label







# DATA

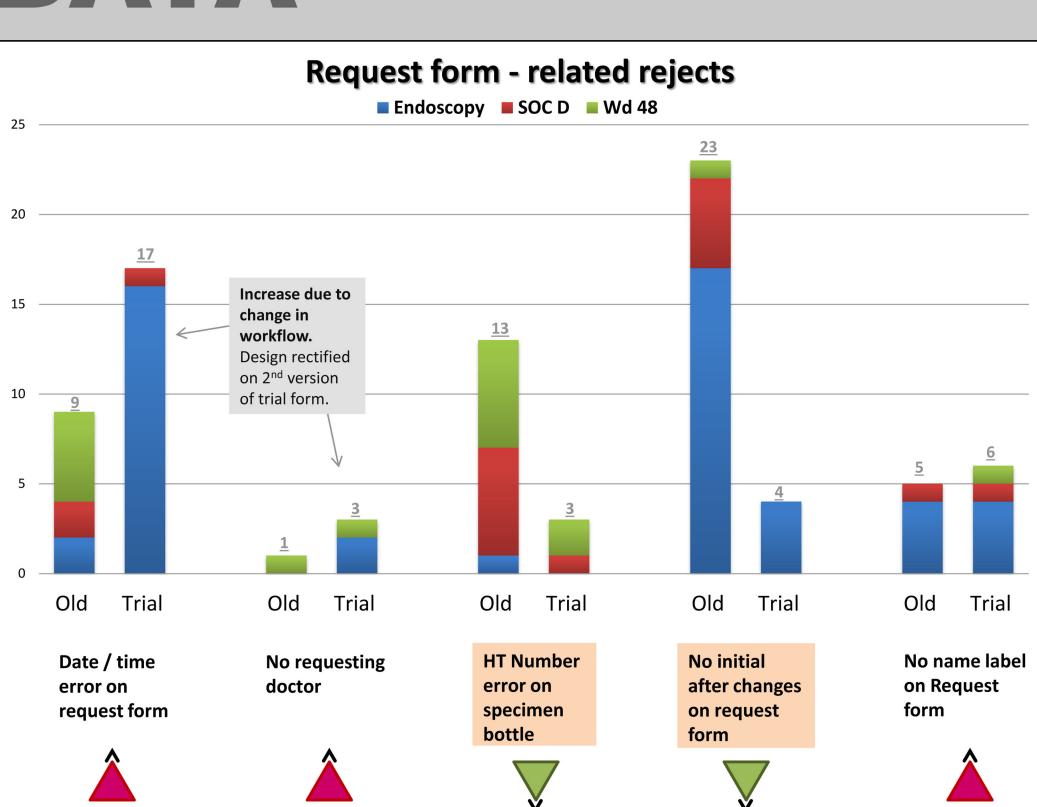
3-Page carbon-copy

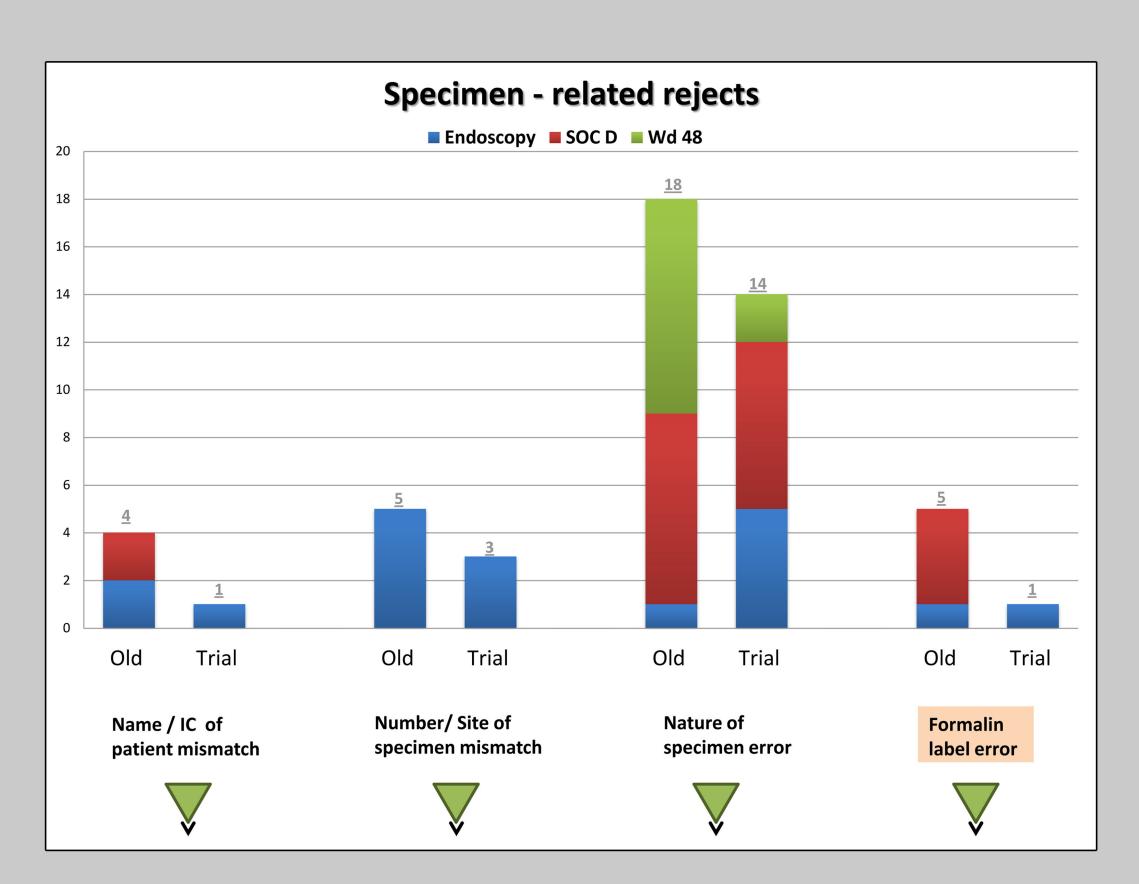
form provides a total

for multiple specimen

tagging

of 15 HT number tabs





Johnathan Siew Jun Howe, Executive, Clinical Services

**Project Team:** 

## Summary:

## **Old forms Rejects:**

 Endoscopy Centre Specialist Clinic 'D' - 76 Rejects

• Ward 48

## **Trial forms Rejects:**

 Endoscopy Centre - 37 Rejects (possibly even lower for 2<sup>nd</sup> version of trial form) Specialist Clinic 'D'

• Ward 48

Data range:

June – November 2014

**FURTHER PLANS:** The new form has been used hospital-wide since June 2015. The 6-month pre- and post-intervention rejection data will be analyzed in early 2016.





