

Software Package for Histopathology Specimens

This project is submitted in partial
fulfilment of the award
of the
DIPLOMA IN COMPUTER STUDIES
of the
HIGHER TECHNICAL INSTITUTE

CS/096

Project Supervisor : Mrs Pagona Katsouri
BSc Computer Science and
Mathematics
HTI Lecturer, Computer Studies Course

External Assesor : Mr Mike Gerolakkitis
BSc Electrical Engineer
BSc Biomedical Engineer

Design by

ANTONIOU MARIA

JUNE 1993



1. INTRODUCTION

The Immunohistology Lab Information System handles patients' and breast cancer biopsy request information in the best manner, providing a user friendly environment. It offers many useful utilities that are easy to use and save time.

Using the system is very simple. Even if you do not have any previous experience with computers, you can easily learn the keyboard before you start using the computer.

You must also refer to this manual every time you have some difficulty. Everything about the operations of the system is explained in the user guide. Also refer to the messages that will appear on the screen when you do something wrong.

1.1 Important Instructions

Before you start operating the Immunohistology Lab Information System, there are some important instructions that you must always have in mind.

- When you type something you press the ENTER key to finish.
- You move the Menu Bar (Highlighted Bar) with the arrow keys, or you press the first letter of the option that you want to select.
- To select a highlighted choice you press ENTER.
- When you want to abort an operation you press ESC.
- If you want to print something, make sure that the printer is ready to use (on-line).

- At any time you need help, press F1 key for further explanation and guidance.
- If type something wrong a pop_up window with a message will be displayed on the screen.
- Whenever an error message is displayed, press ESC to continue.

1.2 What you Need

In order to be able to run the Immunohistology Information System the following hardware is needed :

- IBM compatible PC AT with printer interface
- At least 20 Mb Hard Dick
- Colored Video Monitor(EGA or VGA)
- An 80 column printer
- Cut-sheet or continuous-feed paper

1.3 Installation Procedure

In order to install the Immunohistology Information System on your hard disk follow the steps below:

1. Switch on the computer.

Show the drive onto which you want your system to be installed.

Thus if you want to install the system on drive, F, type at the prompt:

```
C>F: <ENTER>
```

Change to drive A by typing at the prompt:

```
F>A: <ENTER>
```

2. Place the diskette in the drive. Type

```
A>INSTALL <ENTER>
```

After finishing installation, you will have on your Hard Disk, a directory named F:\IMMU_PAT.

TABLE OF CONTENTS

1. INTRODUCTION.....	1
1.1 Important Instructions.....	1
1.2 What you Need.....	2
1.3 Installation Procedure.....	2
2. STARTING THE SYSTEM.....	3
3. MAINTENANCE.....	4
3.1 Patient Registration.....	4
3.1.1 Add a Patient and Way Tissue Preserved.....	5
3.1.2 Modify a Patient and Way Tissue Preserved.....	7
3.1.3 Delete a Patient and Way Tissue Preserved.....	9
3.1.4 Find a Patient.....	10
3.1.5 Find Next Patient.....	11
3.1.6 Find Previous Patient.....	12
3.2 Results.....	13
3.2.1 Add a Patient's Results.....	14
3.2.2 Modify a Patient's Results.....	16
3.2.3 Delete a Patient's Results.....	18
3.2.4 Find a Patient's Results.....	19
3.2.5 Find Next Patient's Results.....	20
3.2.6 Find Previous Patient.....	21
3.3 Tests.....	22
3.3.1 Add a Test.....	23
3.3.2 Modify a Test.....	25
3.3.3 Delete a Test.....	26
3.3.4 Find a Test.....	27
3.3.5 Find Next Test.....	28
3.3.6 Find Previous Test.....	29

3.4 Tests Values.....	30
3.4.1 Add a Test Value.....	31
3.4.2 Modify a Test Value.....	32
3.4.3 Delete a Test Value.....	33
3.4.4 Find a Test Value.....	34
3.4.5 Find Next Test Value.....	35
3.4.6 Find Previous Test Value.....	36
3.5 Favourable/Unfavourable Prognostic Factors.....	37
3.5.1 Add a Fav/Unf Prognostic Factor.....	38
3.5.2 Modify a Fav/Unf Prognostic Factor.....	40
3.5.3 Delete a Fav/Unf Prognostic Factor.....	41
3.5.4 Find a Fav/Unf Prognostic Factor.....	42
3.5.5 Find Next Fav/Unf Prognostic Factor.....	43
3.5.6 Find Previous Fav/Unf Prognostic Factor.....	44
4. REPORTS.....	45
4.1 Listings.....	46
4.2 Year Biopsies.....	47
4.3 Prognostic Criteria Form.....	48
4.4 Tissues Preserved Form.....	49
4.5 Patients by Test Value.....	50
4.6 Patients by District.....	51
5. UTILITIES.....	52
5.1 Backup Files.....	53
5.2 Restore Files.....	54
5.3 Reindex.....	55
5.4 Password Maintenance.....	56
5.4.1 Add a Use.....	56
5.4.2 Modify a User.....	57
5.4.3 Delete a User.....	58
5.4.4 Find a User.....	58
5.5 ACSII Representation.....	59