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INFORMATIC SYSTEM OF PATIENT MANAGEMENT OF DENTAL SURGERIES

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Abstract. INFORMATIC SYSTEM OF PATIENT MANAGEMENT OF DENTAL SURGERIES

The paper has as aim the study of the patient management of a dental surgery: patient searching in the data base, registering of the effected services within the framework of the stomatologic sittings.

1. INTRODUCTION

The present paper presents the informatic system by which it is kept the patients' evidence of an independent stomatologic room. As concerns the management of the stomatologic room, it refers to the patients' searching in the data base, the visualization of the patients' searching in the data base, the visualization of the patient's record if he is registered in the data base in case he is not registered and the visualization of the newly set up record in order to register the stomatologist's fulfilled therapeutic documents in the respective meetinng.

2. THE INFORMATIC SYSTEM

The informatic system includes a data base realised in Visual Fox and managed in four pageframes. The first pageframe presents the doctor's password in order to make possible only the doctor or the authorized staff's access to the database. This is presented in figure 1.

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Figure 1. Doctor access to the database

Pageframe two (SEARCHING) makes the patients' searching in the data base, based on the name or personal numerical code. In case of the patients' name searching, the searching goes as long as you get to the patient with the first name searched or if this is not registered in the data base the programme announces that the patient is not registered. According to the user's decision, the patient can be registered in the database or you can give up his registering in the database. At finding a patient with the searched name it is also displayed the name, the first name, the personal numerical code, the date of the birth and the number of the record. The mentioned data are presented in figure 2.

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DR. FENCHEA	Acesta este pacientul cautat?
DR. FENCHEA SEARCH REGI	Yes No STERING TREATMENT REFEREN
SEARCH BY:	RESULT: NAME POPESCU
C NAME	FIRSTNAME CAMELIA
C CNP SEARCH	CNP 2740215354742
popescu	BIRTH DATE 11
Trans.	NR. RECORD 283

Figure 2. Pageframe SEARCH

If you get to the searched patient and this is found in the database, at the display of the message "This is the patient searched?" you answer with YES, the programme passes automatically to the display of the patient's record (TREATMENT) (fig. 3).

Within the treatment record the datum is established (automatically – the current datum introduced by the computer or manually – the datum that will be introduced by the user), you choose from "TREATMENT" the treatment which will be applied to the patient both as a code and as a denomination, you choose the number of the tooth to which the treatment is applied and then you press the button "REGISTERING in record". Within the grid it will automatically appear the above selected treatment, filling in the already displayed record. At the display of the record it will also appear the datum of the last prophylactic control. If in the same meeting several treatments are applied, the number of the consulting register doesn't change.

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	DR. FENCHEA								
	DR. FENCHEA	1	SEARCH	REGIS	TERING	TREATM		FERENC	
2	NrrecordNrc	rt	Nrregcons	Date	Nrdent	Codcontrol	Treatement	-	
Т	283	- 1	5010	10/04/06	21	1.5	Radiografie	panor	
T	283	2	5010	11/10/06	0	9.1	Consultatie in car		
Т	283	3	5010	11/10/06	13	2.1	Tratamentu	cariile_	
	Date of last prophilactic of	contr	ol 11/10/20 ering in reco	06 rd	Nr. Treat	dinte tment	3.1		
		gisu	ening in reco		Au	tomatically	· .		

Figure 3. Pageframe TREATMENT

The ending of the respective patient's treatment is made by pressing the button EXIT, when the programme comes again at pageframe SEARCHING in order to be able to search the next patient.

If the patient is not registered in the database of the stomatologic room and this is wanted, from the pageframe SEARCHING you press the button REGISTERING and this will lead to the display of the pageframe REGISTERING (fig.4). You introduce here the patient's name and first name, the personal numerical code, the telephone and address, the number of the record being automatically given by the computer. The patient's date of birth will be automatically displayed by interpreting the personal numerical code, the computer checks up whether it is correct (the number of figures, the year and date of birth), otherwise a message of error is displayed.

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DR	. FENCHE	:A		
DR. FENCHEA	SEARCH	REGISTERING	TREATMENT	REFERENCE
	Nr. record	1333		
Name	Panaitescu	-	City	adress
First name	Ciprian	_	1	'imisoara
C.N.P.	15604023546	68 Register	ing Street	Rasaritului
Date of birth	02/04/1956	Visualisa	tion Nr./Block	Sc./Ap.
	-			2/13/B/7

Figure 4. Pageframe REGISTERING

By pressing the button REGISTERING, in the patient's new record you will automatically put down "The obligatory prophylactic control", cod 9.1) mentioning the respective datum and the number of the consulting register. For making other treatments you will press the button VISUALISATION, in this case the respective patient's record being displayed (pageframe TREATMENT). Pressing the button EXIT leads to the display of the page SEARCHING.

3. CONCLUSIONS

The information system presented is useful both for the formation and managing of the database of a stomatologic room. It includes the activity of the stomatologic room concerning daily activity.

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