Smart Phone Applications in Dentistry

1)Dr. B. Purnapriya, 2)Dr. Sudheer.A, 3)Dr. Navyadeepthi, 4)Dr. M. Ramakrishna,

PG Student , Department of Prosthodontics, SreeSai Dental College and Research Institute
M.D.S, HOD of Department of Prosthodontics, SreeSai Dental College and Research Institute
PG Student, Department of Prosthodontics, SreeSai Dental College and Research Institute
Practitioner, Department of Prosthodontics.

ABSTRACT
The main objective of this review article is provide the brief description regarding the use of each smart app in dentistry.

I. INTRODUCTION

With the development of information technology, an increasing number of health care professionals are using smart phones and mobile dental applications (apps) in their clinical practice. The objective of this article is to provide overall perspective knowledge about various apps present and the uses of these apps.

There are many apps present which are used for various purposes by varying set of population like
1) Appsthat are useful for dentist alone.
2) Apps useful for both dentist and patient.
3) Apps useful for patient alone.
4) Apps useful for lab technician and dentist.
5) Apps useful for dental students.

Apps useful for dentists:

Dental education app[5]

For professional growth and successful scientific research
Learning through colleague's experiences and perspective can be extremely helpful in daily practice
Based on our experience in dental industry as well in digital technologies we can assume that our work can be improved through continues development of software apps innovative tools and technology in general.

This is the reason for creating new dental education tool for fruitful partnership with best professional in each field of dentistry and the sophisticated use of the latest technologies.
So this app is introduced to connect thousands of professionals around the world willing to obtain knowledge on one hand and those who are ready to share their experience on the other hand.

Dental drugs[6]

Dental drugs app is a must to have application for dental professionals. It's a quite reference for

prescribing medications. It also helps with calculating maximum anesthetic dosages or recalling common treatment protocols in practice.
Access to more than 90% most commonly prescribed drugs with their relevantdose,dispensary,instructions and precautions are present.

Emergency protocols for situations that can occur on dental chair are present.
This app is made by a dentist and is optimized for dentist and dental students.

Talk teeth dental practice management[7]

This dental practice management app is to manage the daily operations in the dental office.
With this app we can keep our entire patients records in our ipad.
We can educate the patient about their dental condition in the most entertaining and easy to comprehend way with patient education videos.
Talk teeth provides

1) Patient filing
2) Appointments
3) Patient education
4) To do list features
5) Accounting
6) Custom patient reminders

Dental business masters[8]

This is to develop excellent business and professional skills of the dental team.
The aim is to achieve
1) excellent patient care,
2) stress free working for the team & exponential growth in work

3) satisfaction and financial targets of the business

Dental scan[9]

This is linked to dental and orthodontics management software.
Dental scan application allows you to take photos of documents with your smart phone and automatically send them to the file of the concerned patient.

Dental shooting[10]

Dental photography for mobiletake professional dental photos &edit them with great results.
Step 1
Shoot the dental photos, both intra oral and extra oral in smart phones.
With the help of grid guide take consistent and standardized photos .
Also find photographic and radiographic documentation.
Step 2
Editing in real time.
Highlight the problems and defects.

Professional filters.
Step 3
Sharing.
Create a presentation that can be shared with patients.
Show photos to patient create PDF.
Share PDF via-email &whatsapp.
*This app is not for making diagnosis, but only for storing documentation.

Dental scan kod[9]

This app aids in improving oral hygiene maintenance.
Scan your mouth and get your hygiene score.

Radioxtudy[11]

This is mobile way to study dental radiology.
This aids the dentist to interpret the radiographs.
This presents an organized, direct and functional interface, containing topics divided didactically to study like

1)   anatomy
2)   pathology
3)   Dental anomalies.

identist: dental practice management software[12]

This is used for dental treatment planning.
For scheduling of dental appointments.
Dental assistant.
Features
1) Weekly and monthly calendar for dental treatment planning.
2) Can be used by several doctors
3) Scheduling of sms appointment reminder
4) Keep patient records

5) Dental chart of each patient
6) Online booking
7) Appointment planner
8) Medical history of patients
9) Create patient records in PDF manner
10) Advanced financial reports
11) X-ray gallery

Denticalc[13]

The digital assistant for dentists
Denticalc is not just one of many patient education tools but much more than that.
This app directly impacts clinics productivity and profitability as well as patients health.
Aids in enhancing communication.

Improves patient satisfaction.
Most effective way to explain treatment to patients.

Apps for both dentist and patients
Dental mitra[14]

This is an app from dentist Dr.Pranjanmitra.
Features:
1)   Tips on dental health
2)   Reminders on daily dental hygiene routine
3)   Calculate sweet core

4)   See nearby dentist through Google maps
The goal of this app is to provide an app which meets needs of other practitioners.

Toothflix 2.0[15]

This app includes the ADA's toothflix 2.0 dental patient education videos in English and Spanish, which are arranged for quick access.

The facility to email any of the '26' available videos to patients before or after the consult is available.

Marking of favoritevideos or even extraction of video clip you show most often can be done.

The last watched feature makes it easy to retrieve the videos you use most.

This is essential for
1)   Patient communication tool for health awareness
2)   Case acceptance
3)   Informed consent

Dental pro[16]
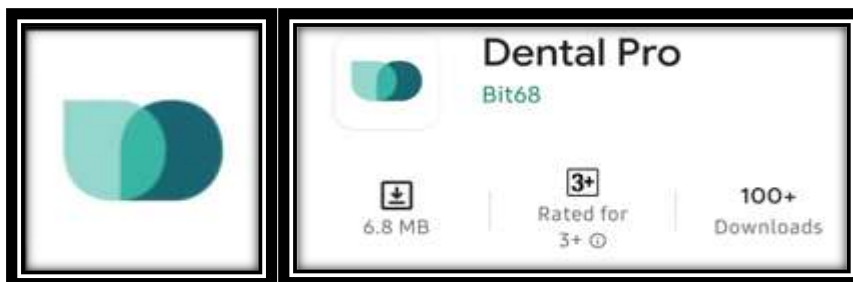
This is a dual mobile based application for dentists and patients aiming to present comprehensive digital solutions for clinical management.

Features:
1)   Scheduling

2)   Patient filing
3)   Monitoring clinical financials
4)   Update on recent dental innovations through research journals and events.

Dental monitoring[17]
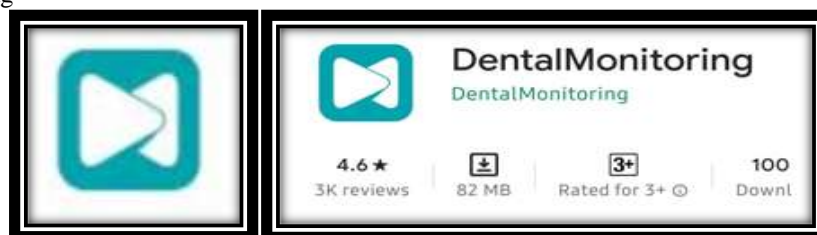
This app is designed to help dental professionals.

Aids in monitoring the evolution of their patients orthodontic treatments remotely, between in practice appointments.

This can only be used under the supervision of a clinician who provides with their personal login information.

Features:

For patients-
1)   Ease of use

2)   Convenience with regular screening
3)   Control is possible through regular monitoring to prevent complications
4)   Better communication
5)   Motivation

For dentist-
1)   Control treatment outcome
2)   Time optimization
3)   Patient compliance
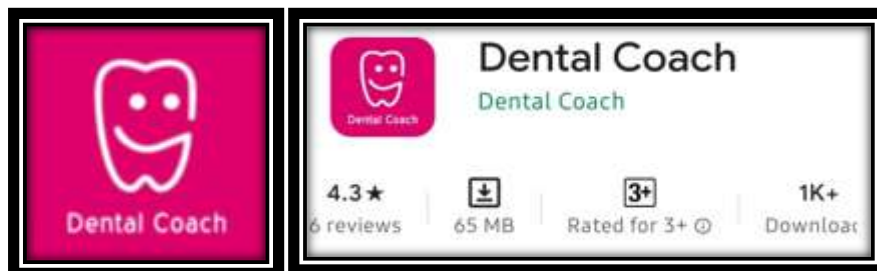4)   Work flow optimization

My dental clinic[18]

This app helps dentist manage patients and clinic
Dentist can keep database of their patients record like
1) Personal information
2) Dental charts

3) Dental notes and appointments
4) Also attach dental images
5) Record of patient payments
6) Save appointments

Dental coach[19]

Dental prevention app
Personal and professional support in dental prenention.
This personalized app provides individual assistance to patients and support in following advice.
In this dental care providers can create unique dental care and risk profile including customized maintenance advice.

Key features:
1) Dental prevention app
2) Personalized teeth view
3) Visual of risk profile
4) Setting goals and plans
5) Brushing timer for children and adults
Apps useful for patients

Dental desk[20]
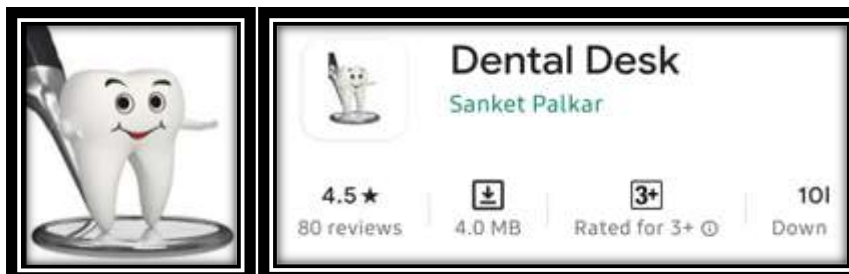
This app helps in giving answer to dental problem using clinical and home remedies.
This is not only an informative app but also a platform to provide temporary relief from various dental problems using common household techniques.

Educate patient regarding various alarming dental problems and educate them regarding various treatment modalities.

Apps useful for lab technician and dentist.

Quick dental guide[21]

This app is designed to comprehensively introduce instruments and concepts to dental hygienist, dental assistants, dental nurses, technical trainee.
Includes topics like
1) Dental anatomy & common dental diseases
2) Periodontics
3) Orthodontics
4) Oral surgery
5) Restorative dentistry
6) Sterilization and biomedical waste management

7) Recent news
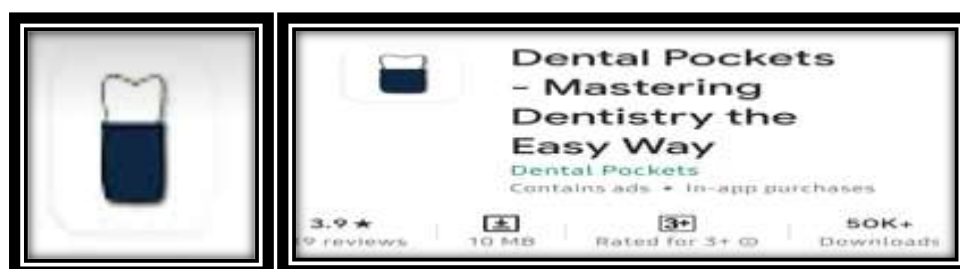8) Blog

Does not constitute the providing of medical advice and is not intended to be substitute for independent professional medical judgment, advice, diagnosis or treatment.

Apps useful for dental students.
Dental pockets[22]

Useful for BDS & MDS entrance aspirants.
Designed by the team of dental forks as they understand the basic needs and problems faced by students.
Features:

1) MCQ's subject and year wise are available
2) Articles
3) Forums
4) Mock tests

Dental kart[23]

App for shopping of dental materials and instruments..
Pink blue; India's favourate dental store[24]

Online dental and medical supplies store.
Dental materials, comsumables, disposables, instruments, dental equipments.

II.   CONCLUSION

Many dental and medical apps have been observed to perceive a positive impact on clinical practice, education, and patient care in dentistry by providing relevant medical information.
However there is still much more room for improvement in future.

REFERENCES

1)   Google play store
2)   Android play store
3)   App store
4)   Google chrome
5)   Copyright:@stomatologicheskocobrazovznie ,ooo
6)   Copyright:@2019Apps4dentist
7)   Copyright:@2014The App Concept
8)   Email-enquiries@dentalbusinessmasters.com
9)   Email-damien.souland@gmail.com
10)   Email-info@dentalshooting.com
11)   Email-radioxtudy@gmail.com
12)   Email-info@avvastyle.com
13)   Email-marketing@denticalc.com
14)   Email-tech@bizydalenets.com
15)   Copyright:@2021American   Dental Assosiation
16)   Email-info@dentalproapp.com
17)   Email-support@dental-monitoring.com
18)   Email-email@dentalclinicapp.com
19)   Email-info@dentalcoach.app
20)   Email-dentalldesk@gmail.com
21)   Email-dvsky1411@gmail.com
22)   Email-dentalguru2016@gmail.com
23)   Email-developers@dentalkart.com
24)   Email-support@pinkblue.in