Literature Survey

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| 1 | Paper title | Preference and features of blood/plasma donation smart phone app: A multicenter mixed- methods study in Riyadh, Saudi Arabia |
| Problem  definition | . The aim was to identify the features and preference of a blood donation smart phone app.  . The top rated features were the ability to request for blood donors, and the ability to locate the nearest blood center on the map.  . The preferred method of contract was found to be SMS.  . Concerns about confidentiality and privacy were raised. |
| Methodology/  Algorithm | . Study design  . Settings  . Donor sample size.  . Donor selection criteria. |
| Advantages | . Donors were highly interested in using the blood donation app.  . Area of concern, including privacy and confidentiality, should be considered. |
| Disadvantages | Age is the major factor for using the app. |

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| 2 | Paper title | Free Blood/Plasma Donation Mobile Application  Article in Journal of Medical Systems – May 2015 |
| Problem  definition | . Few of the apps could could not be installed and/or accessed.  . Of those that could be installed; half of them do not require any kind of authentication; a few of them are available in more than one language, etc.  . There is a need for better BD/Plasma apps with more feature in order to increase the number of volunteer donors. |
| Methodology/  Algorithm | . A systematic review has been used to address the search the donation apps.  . Each application identified has been evaluated to decide whether or not it should be included. The following inclusion criteria were used to perform the selection process:  . BD apps  . Apps that have a free version  . Apps for human BD  . Apps which focus only on BD |
| Advantages | . Allows their apps to show user’s notification.  . By adding tips and information about the BD process, types and eligibility.  . Enable social network information sharing via their developed apps. |
| Disadvantages | . Ageing population in developed countries will lead to more complex and blood availability are necessary.  . This increasing need of BD app and increasing usage of smart phones have affected the BD app market. |
| 3 | Paper title | M – health services: Can it be a potential mechanism in improving public health system of India?  July 2013 – Indian journal of Community Health 25(3):316-320 |
| Problem  definition | The role of mobile health in health system is important for us, to make use of this very fastly growing technology in improving the public health of Indian people. |
| Methodology/  Algorithm | Mobile communication devices often used to this area are mobile phones, tablet, computer for health services, health information and also for affecting emotional states. |
| Advantages | M – health can even change the practice of telemedicine in the military health services from limited fixed-point access to a highly mobile individual with handled communication devices. |
| Disadvantages | . Issues of patient satisfaction and patients using the technology.  . Clinically efficiency in area and how well we can treat the patients using the technology. |