

Short Report on Hospital Visit to Papageorgiou General Hospital

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Date of Visit: 13/12/2023

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I. INTRODUCTION

A surgery room was visited at 13/12/2023 in the Central Surgery ward at the first floor of Papageorgiou General Hospital, where diathermy machines were presented to us by Mr. Mavromatidis, who is a chief of the nursery staff there. Mr. Mavromatidis presented to us biomedical equipment like diathermy machines, grounding pads, ground cables for monotherapy machines, vital sign monitors as well as general surgery room machinery.

II. BIOMEDICAL EQUIPMENT SHOWN

This may be a modified version of your proposal depending on previously carried out research or any feedback received.

A. Diathermy machines

Describe your first solution here.

B. Grounding pad

Describe your second solution here.

C. Monotherapy machine ground cable

Describe your third solution here.

D. General vital monitors

Describe your third solution here.

E. Surgery room technical systems

General information about surgery rooms and hospital organisation were given with Mr. Mavromatidis mentioning, there are another 12 to 14 surgery rooms in the hospital, with 10 of them being on the same dimensions as the one visited and the remaining 2 being larger surgery rooms for more severe surgery cases. Factors like laminar flow, which allow air and vapors to travel from the air filters above the surgery room downwards towards the vents, the lighting of the room being provided by LED bulbs, which output better intensity of light than the previously used fluorescent bulbs, and the procedure on sterilization of the surgery room through chemicals and uv lighting, was explained to us in detail by the presenter.

III. DISCUSSION

The main difference between this section and the one in your report proposal is use of verb tense: there you suggested what you will do and here you will describe what you did. Be concise and precise when outlining how you researched your potential solutions. Remember that your research should be guided by:

REFERENCES

- [1] H. Kopka and P. W. Daly, *A Guide to L^AT_EX*, 3rd ed. Harlow, England: Addison-Wesley, 1999.
- [2] D. Horowitz, *End of Time*. New York, NY, USA: Encounter Books, 2005. [E-book] Available: ebrary, <http://site.ebrary.com/lib/sait/Doc?id=10080005>. Accessed on: Oct. 8, 2008.
- [3] D. Castelvechi, "Nanoparticles Conspire with Free Radicals" *Science News*, vol.174, no. 6, p. 9, September 13, 2008. [Full Text]. Available: Proquest, <http://proquest.umi.com/pqdweb?index=52&did=1557231641&SrchMode=1&sid=3&Fmt=3&VInst=PROD&VType=PQD&RQT=309&VName=PQD&TS=1229451226&clientId=533>. Accessed on: Aug. 3, 2014.
- [4] J. Lach, "SBFS: Steganography based file system," in *Proceedings of the 2008 1st International Conference on Information Technology, IT 2008, 19-21 May 2008, Gdansk, Poland*. Available: IEEE Xplore, <http://www.ieee.org>. [Accessed: 10 Sept. 2010].
- [5] "A 'layman's' explanation of Ultra Narrow Band technology," Oct. 3, 2003. [Online]. Available: <http://www.vmsk.org/Layman.pdf>. [Accessed: Dec. 3, 2003].