## EMF Power Absorption in Bone and Bone Marrow: Mathematical Model

## ABSTRACT

Study design: Mathematical analysis, followed by computer simulation of the problem.
Methodology:
, are deduced
distribution in each one
Results:
for a low frequency range
for bone marrow,
Conclusion: The results obtained are
, and the amount of power, absorbed

(FDTD) is another method, that has been developed and applied for representation of EMF...

exposure to these fields has an adverse health effect.

non-magnetic materials, and, hence, their magnetic
it is significant only at VHF ranges. Therefore, the power absorption
The main goal of the current study is to introduceof calculation

......and magnetic fields, and

## **3. RESULTS**

parameters are actually reported data.....

## 4. DISCUSSION AND CONCLUSION

Hence, producing data could be applicable for directive near field regions.