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Department of Anatomy, Saveetha Medical College, Saveetha University,  
Thandalam - 602105, Tamil Nadu, INDIA.

## Anatomical and Physiological Hazards Induced by Mobile Phone Radiation and its Prevention by RADISAFE.

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### Abstract

#### 146. Anatomical and Physiological Hazards Induced By Mobile Phone Radiation and Its Prevention By Radisafe

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Electromagnetic radiation has been a boon for contemporary technology, and is used extensively in electrical appliances, power lines and a slew of other equipments that are part of the modern life. Nevertheless humans are submerged in these electromagnetic radiations which has become a more serious and dangerous health threat. Mobile phones which has revolutionized our present day life, is a major contributor for these harmful radiation. Its use has considerably increased and the continuous exposure to such radiation in a close range to the ear for a prolonged time is a serious health concern which needs immediate attention among all other devices. Innumerable number of studies has linked these radiations to the development of brain tumor, genetic damage and other exposure related health hazard conditions. To overcome such harmful effects, recent inventions such as Radisafe has come as a welcome measure to counteract these radiation induced disorders. This paper will discuss in detail about the anatomical structures that are more prone for disarray caused due to mobile phone radiation, their immediate physiological effects and also about Radisafe which are used as preventive measure to overcome these radiation hazards.

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S.No	Baseline		After 20 Mins Of Mobile Phone Usage		After 20 Mins Of Phone Usage With Radisafe	
	BP	RP	BP	RP	BP	RP
1	118/76	70	126/82	76	120/78	70
2	122/80	72	130/84	80	124/80	72
3	116/72	69	126/82	78	118/72	70
4	124/82	74	134/86	80	124/82	74
5	120/78	72	128/84	80	122/78	72
6	128/74	70	138/78	76	130/74	70
7	124/78	72	134/86	80	124/80	72
8	114/76	68	122/82	74	116/76	70
9	120/80	72	130/84	80	122/80	72
10	130/86	76	140/90	84	132/86	78
11	124/82	74	132/86	80	124/82	74
12	122/80	72	132/84	86	124/80	72
13	116/72	69	126/86	78	118/72	70
14	122/80	72	130/84	80	122/80	72
15	130/86	76	140/90	84	132/86	78
16	126/80	74	136/84	80	124/80	74
17	118/76	70	126/82	76	120/78	70
18	122/80	72	130/84	80	124/80	72
19	116/72	69	126/82	78	118/72	70
20	132/86	76	140/90	84	132/86	78
21	124/80	72	130/84	80	124/80	72
22	118/72	69	126/82	78	118/72	70
23	132/86	76	142/90	84	134/86	78
24	124/82	74	134/86	80	124/82	74
25	120/78	72	128/84	80	122/78	72

**BP - Blood Pressure**

**RP - Radial Pulse**