



अखिल भारतीय आयुर्विज्ञान संस्थान, पटना

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, PATNA



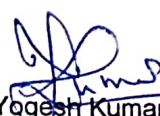
Report of pulse oximeter developed by Smartway Electronics Pvt. Ltd

We tested this new pulse oximeter in about 20 patients admitted at AIIMS Patna. Below is comparative findings of Pulse Oxymeter developed by Mr. Bibhuti Bikramaditya, Director, Smartway Electronics Pvt. Ltd with pulse oximeter of Philips Monitor GS 20 and AIQURA AD805

Patient Number	Age	Sex	Newly Developed Pulseoxymeter	AIQURA Model:- AD805	Philips Monitor GS 20.
1	44	M	93	94	94
2	63	M	92	94	94
3	34	F	98	98	98
8	64	F	97	98	98
5	72	M	95	98	98
6	44	F	95	96	96
7	42	M	98	98	98
8	46	F	97	99	98
9	32	M	98	98	99
10	55	M	94	96	6
11	35	F	99	99	99
12	46	F	97	98	98
13	22	M	98	98	98
14	38	M	96	98	98
15	46	M	93	95	96
16	44	M	97	97	98
17	62	F	90	92	92
18	66	M	96	97	97
19	28	F	98	98	98
20	24	F	98	98	98

Based on Above values measured by pulse oximeter developed by Smartway Electronics Pvt. Ltd is found within acceptable range.

Suggestion:- When this pulse oximeter is initially applied to finger of patient it takes about 30 second to 60 second for readings to settle. This time should be reduced to make it more effective.


Dr Yogesh Kumar
Additional Professor
Department of Physiology