

624.2±136.42Ω; 90%±8% respectively in VDD group. Implant time was significantly reduced in VDD patients (61.82±14.6 min.) compared with DDD group (72.62±10.4 min.)

(p<0.05). The exposure to radiation (fluoroscopy time) was significantly reduced in VDD patients (6.53±2.9 min.) in comparison with DDD patients (10.37±3.4 min.) (p<0.05)

**Table 1: Shows the mean values of mean P-wave amplitude, atrial sensing threshold, atrial lead impedance, % of AV synchrony, and %of failure of AV synchronous pacing of DDD group and VDD group at implant**

The parameter	VDD group Mean±SD n=24	DDD group Mean±SD n=24	P value (t-test)
Mean P-wave amplitude (mV)	2.91±1.3	3.42±1.1	0.012
Atrial sensing threshold (mV)	2.46±1.18	3.46±1.3	0.001
Atrial Lead Impedance (Ω)	624.2±136.26	568±103.42	0.305
%AV Synchronous pacing	90%±8%	95%±7%	0.011
%of failure of AV synchronous pacing	10%±8%	5%±7%	0.01

**On the next day of Implantation:**

The mean values of mean P-wave amplitude, atrial sensing threshold, atrial lead impedance, % of AV

synchrony and % of failure of AV synchronous pacing were as shown in the following table 2:

**Table 2: Shows the mean values of mean P-wave amplitude, atrial sensing threshold, atrial lead impedance, % of AV synchrony, and %of failure of AV synchronous pacing of DDD group and VDD group on the next day of implant**

The parameter	VDD group Mean±SD n=24	DDD group Mean±SD n=24	P value (t-test)
Mean P-wave amplitude (mV)	2.62±1.2	3.38±1.3	0.0039
Atrial sensing threshold (mV)	2.41±1.15	3.39±1.23	0.0014
Atrial Lead Impedance (Ω)	564.2±116.2	518±86.6	0.54604
%AV Synchronous pacing	90%±8%	95%±7%	0.011
%of failure of AV synchronous pacing	10%±8%	5%±7%	0.01