

Biphasic versus Monophasic Defibrillators

Biphasic Energy is the Standard of Care

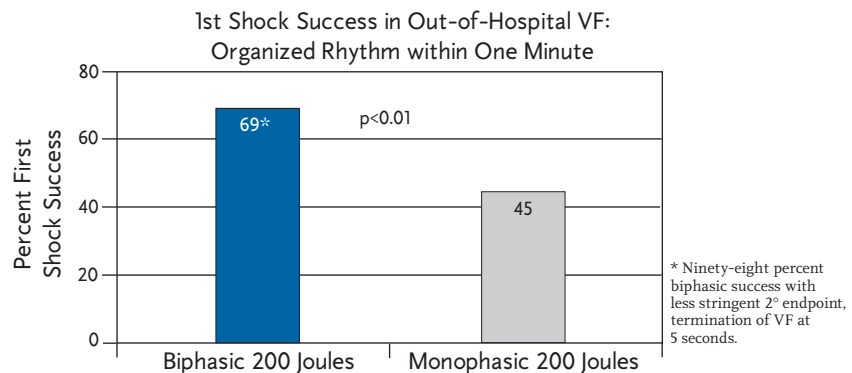
AHA 2005 GUIDELINES

The 2005 American Heart Association (AHA) Guidelines recognize that "lower energy biphasic shocks have equivalent or higher success for the termination of VF than... monophasic waveform shocks."¹

In light of the discrepancies in efficacy between biphasic and monophasic defibrillation shocks, and the importance of the rapid termination of VF, the AHA now recommends starting with a first shock energy of 360 joules with monophasic defibrillators to more closely approach the first shock efficacy of their biphasic counterparts.

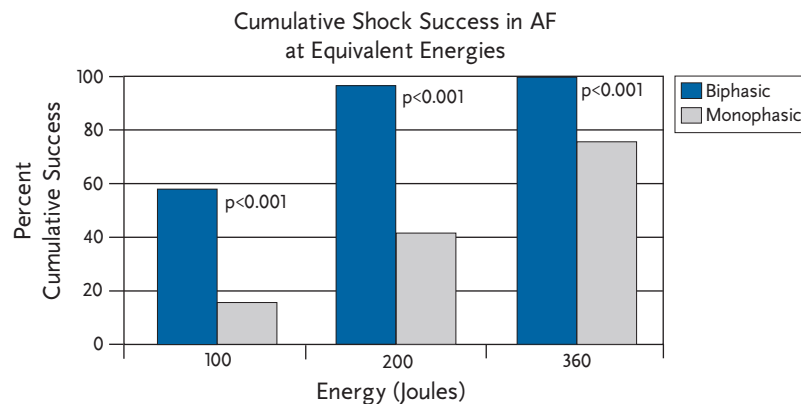
BIPHASIC: MORE EFFECTIVE IN TREATING VENTRICULAR FIBRILLATION (VF)

At equal energy levels, ADAPTIV™ biphasic technology provides significantly higher defibrillation success.²



BIPHASIC: MORE EFFECTIVE IN TREATING ATRIAL FIBRILLATION (AF)

ADAPTIV biphasic technology provides significantly greater success at energies up to 360J.³



Ask your Medtronic representative for independently published evidence that full energy LIFEPAK® defibrillators with ADAPTIV™ biphasic technology succeed where low energy biphasic fails.

1 Guidelines 2005 for Cardiovascular Resuscitation and Emergency Cardiovascular Care. 2005. Circulation 112 (22): IV-37

2 van Alem AP, et al. A prospective, randomized and blinded comparison of first shock success of monophasic and biphasic waveforms in out-of-hospital cardiac arrest. Resuscitation 2003; 58:17-24.

3 Neumann T, et al. Ambulatory electrocardioversion of atrial fibrillation by means of biphasic versus monophasic shock delivery. A prospective randomized study. Z Kardiol 2004; 93(5):381-7.

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