

INDICATION

Calculates mean arterial pressure (MAP). Many clinical guidelines use MAP targets as part of blood pressure management to ensure adequate organ perfusion.

INTERPRETATION

MAP is considered as the preferred way to monitor blood pressure as diastole composes two thirds of the cardiac cycle. It is therefore a more sensitive tool than systolic blood pressure alone.

MAP of 60 mmHg is thought to be the minimum requirement to achieve adequate perfusion of tissues

CALCULATION

$$\text{MAP}_{\text{mmHg}} = (1/3 \times \text{SBP}) + (2/3 \times \text{DBP})$$

SBP = Systolic blood pressure_{mmHg}

DBP = Diastolic blood pressure_{mmHg}