oscilloscope gate pulse goes low and M8 generates a pulse on the falling edge of the gate pulse. This TTL pulse now passes through gates A2 and O1 and triggers M10. The output of M10 toggles F2 and terminates the ENA2 (IPI) pulse when a block occurs. The output of M8 also passes through gate A3 and toggles F3 and the block line goes through, indicating that a block was detected.

Pulses P1 and P2 are used by the real-time clock to measure IPIs. The ENA2 pulse can be used to intensify the oscilloscope beam and thus indicate the length of the IPI that is being measured.

If jitter is being measured during nerve stimulation, the interval between the onset of the sweep and the first AP during the start window should be measured. This can be achieved by using the pulses P3 and P1 as inputs to the counter and using ENA1 as the IPI pulse.

Corrigendum

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'Spectral analysis and acoustic transmission of mitral and aortic valve closure sounds in dogs. Part 1 Modelling the heart/thorax acoustic system' by L.-G. Durand, Y.-E. Langlois, T. Lanthier, R. Chiarella, P. Coppens, S. Carioto and S. Bertrand-Bradley

The wrong timescale was used on the axis of Fig. 3, page 272. The corrected version is given below.
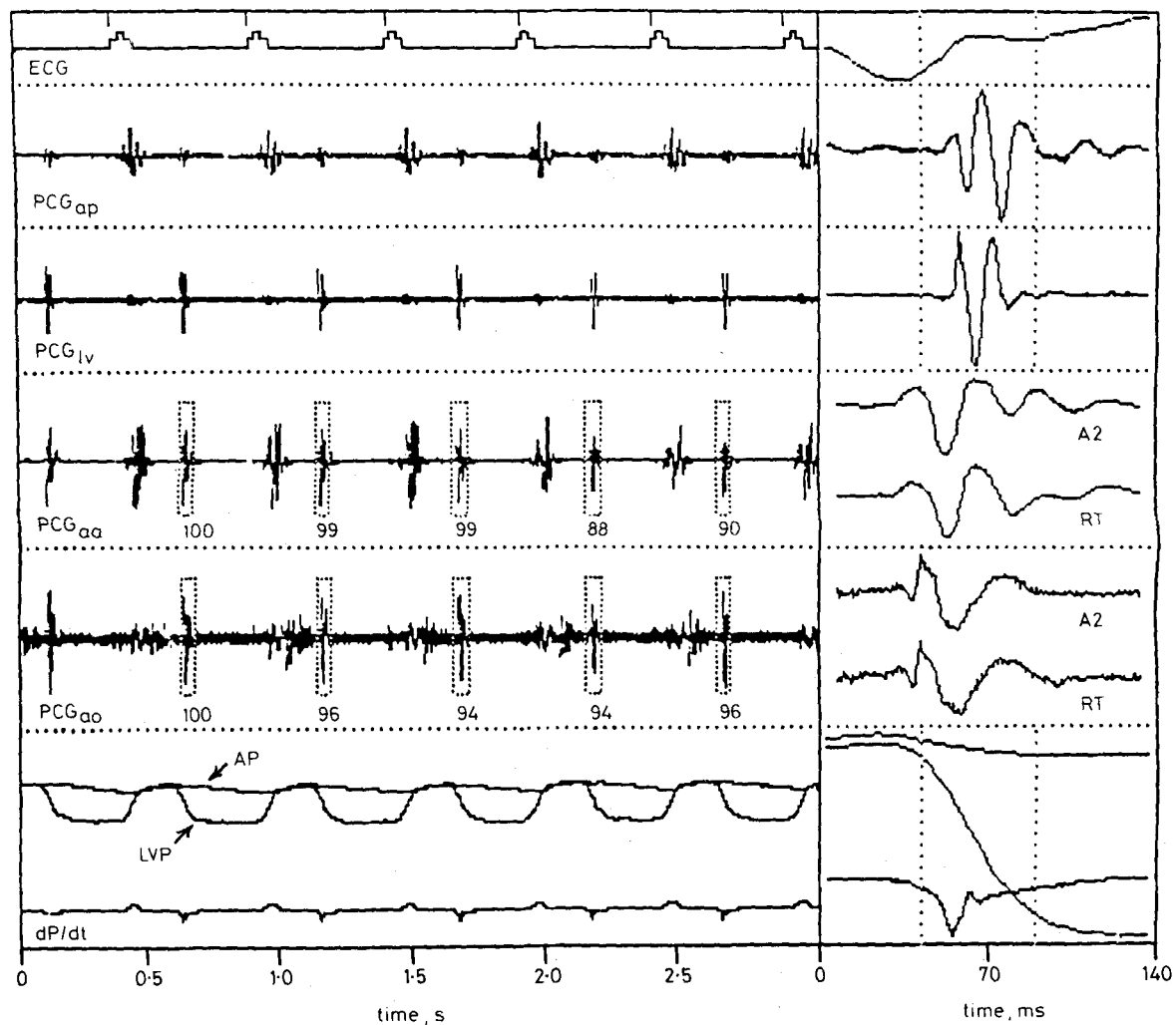

Fig. 3   Example of the signals recorded in one dog with the catheter configuration of Fig. 2. These signals are: the ECG, the phonocardiograms recorded at the apex on the body surface (PCG_{ap}), within the left ventricle (PCG_{lv}), at the aortic area on the body surface (PCG_{aa}), and within the ascending aorta (PCG_{ao}), the aortic (AP) and left ventricular (LVP) pressures and the left ventricular pressure derivative dP/dt. Vertical bars above the ECG identify the timing references obtained from the QRS automatic detection algorithm. The right window (zoom window) shows the intra-aortic and thoracic A2 components selected automatically by the data-acquisition program using a correlation technique with the reference templates (RT). Each sound component automatically selected by the algorithm is delimited with a rectangle and the percentage of maximum correlation with its reference template is also displayed