Table S1. Univariable analysis of 30-day permanent pacemaker (PM) implantation after transcatheter aortic valve implantation (TAVI).

Variables	OR (95% CI)	*P* value
Male sex	0.77 (0.67 - 0.89)	<0.01
Age (years)	1.01 (1.00 - 1.02)	0.13
Weight (kg)	1.01 (1.00 - 1.01)	<0.01
Creatinine serum level (for 100 µmol/L)	1.15 (1.05 - 1.25)	<0.01
Diabetes mellitus	1.07 (0.92 - 1.25)	0.38
Left ventricular ejection fraction (%)	1.00 (1.00 - 1.01)	0.71
Systolic pulmonary pressure (mmHg)	1.00 (1.00 - 1.01)	0.43
History of lung disease	1.00 (0.84 - 1.18)	0.99
Peripheral vascular disease	0.96 (0.81 - 1.14)	0.67
Previous cardiac surgery	0.87 (0.73 - 1.04)	0.12
Recent myocardial infarction	0.80 (0.46 - 1.40)	0.44
Dialysis	1.47 (0.86 - 2.53)	0.16
Euroscore II (%)	0.99 (0.98 - 1.01)	0.40
Previous aortic valve surgery	0.42 (0.26 - 0.67)	<0.01
Transfemoral TAVI access	1.35 (1.13 - 1.61)	<0.01
Pre-dilatation valve	0.90 (0.78 - 1.04)	0.15
Post-dilatation valve	1.62 (1.37 - 1.93)	<0.01

OR = odds ratio; CI = confidence interval, TAVI = Transcatheter Aortic Valve Implantation.

Table S2. Backward Stepwise Elimination of 30-day permanent pacemaker (PM) implantation after transcatheter aortic valve implantation.

Variables	OR (95% CI)	*P* value
Male sex	0.82 (0.70 – 0.95)	<0.01
Age (years)	1.01 (1.00 – 1.02)	0.04
Weight (kg)	1.01 (1.00 – 1.01)	0.05
Creatinine serum level (for 100 µmol/L)	1.13 (1.04 – 1.23)	<0.01
Previous aortic valve surgery	0.42 (0.26 – 0.67)	<0.01
Transfemoral TAVI access	1.33 (1.11 – 1.60)	<0.01
Post-dilatation valve	1.61 (1.35 – 1.91)	<0.01

OR = odds ratio; CI = confidence interval, TAVI = Transcatheter Aortic Valve Implantation.

Addendum S1. Page containing all author's details

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Addendum S2. Definitions of baseline characteristics

Diabetes mellitus : Diabetes mellitus diagnosed prior to intervention is characterized by chronic hyperglycaemia where one of the following criteria is demonstrated:

- Fasting plasma glucose level ≥ 7.0 mmol/L (≥ 126 mg/dL)
- Plasma glucose ≥ 11.1 mmol/L (≥ 200 mg/dL) two hours after taking 75g oral glucose as in the glucose tolerance test (plasma glucose measurement should not be taken at the time of or shortly after a glucose infusion)
- Symptoms of hyperglycaemia and casually measured plasma glucose ≥ 11.1 mmol/L (≥ 200 mg/dL) (plasma glucose measurement should not take place at the time of or shortly after a glucose infusion)
- Glycosylated Hemoglobin (HbA1c) ≥ 6.5%

Systolic pulmonary pressure : Pulmonary artery systolic pressure in mmHg measured by an invasive pressure reading or estimated from an echocardiography preceding the current intervention. The exactly measured pressure value is preferably supplied. If there is only one descriptive value recorded of pulmonary hypertension (e.g. mag), the following pressures are recorded following the list below:

- Normal pressure = 25 mmHg
- Middle elevated pressure = 40 mmHg
- Severe Elevated Pressure = 60 mmHg

History of lung disease : long-term use of bronchodilatators or steroids because of lung disease.

Peripheral vascular disease : if one of more criteria below are present:

- Intermittent claudication
- Carotid occlusion or >50% stenosis
- Amputation due to arterial disease
- Previous or planned surgery on abdominal aorta, arteries of the limbs or carotids.