

Supplementary Table 1. Ethics Committees of the participating units, with protocol codes and dates of approval.

Ethics Committees	Protocol code	Approval date
Comitato Etico Indipendente	0007020/27/01/2020	27/01/2020
Comitato Etico per le Sperimentazioni Cliniche (CESC) della Provincia di Vicenza	1627	28/10/2020
Comitato Etico per la Sperimentazione Clinica della provincia di Venezia e IRCCS S.Camillo	-	28/07/2020
Comitato Etico interprovinciale Area I	63/CE/20	3/12/2020
Frosinone Comitato Etico "Lazio 2"	0216084/2020	16/12/2020
Comitato Indipendente di Etica Medica	80673	24/10/2019
Comitato Etico Regionale Umbria	19414/20/ON	16/09/2020
Comitato Etico Regionale per la Sperimentazione Clinica della Regione Toscana	20190211	12/09/2019

Supplementary Table 2. ICD-9-CM codes used to identify comorbidities.

Comorbidity	Method and ICD-9-CM code used
Hypertension	at least one prescription of antihypertensive drugs with ATC codes: C02, C03; C07; C08; C09
Hyperlipidemia	at least one hospitalization with a discharge diagnosis for hyperlipidemia with ICD-9-CM codes: 272.0, 272.1, 272.2, 272.3, 272.4; or at least one prescription of lipid-modifying agents with ATC code: C10AA, C10BA, C10AX13, C10AX14
Diabetes	at least one prescription of antidiabetic drugs with ATC code: A10
Chronic obstructive pulmonary disease	at least one prescription of obstructive airway diseases drugs with ATC code: R03
Depression	at least one prescription of antidepressant drugs with ATC code: N06A
Cardiovascular events	at least 1 hospitalization with a discharge diagnosis for: - ischemic heart disease (ICD-9-CM codes: 410, 411, 412, 413, 414); - cardiac dysrhythmias (ICD-9-CM code: 427); - heart failure (ICD-9-CM code: 428); - cerebrovascular disease (ICD-9-CM codes: 430, 431, 432, 433, 434, 435, 436, 437, 438); - atherosclerosis and aneurysm (ICD-9-CM code: 440-442); - other peripheral vascular disease (ICD-9-CM codes: 443)
Radical prostatectomy	detected by ICD-9 procedure codes 60.4, 60.5, 60.62
Metastases	detected by ICD-9 codes 196, 197, 198

Supplementary Figure 1. Study periods.

