

**Supplementary table 2. PICO questions**

Nr.	Population	Intervention	Comparison	Outcomes
1	Patient with acute asthma and upper airway infection	Antibiotics	No antibiotics	Mortality
2	Renal transplant patient with pleural TB	Steroids	No steroids	Resolution time, complications and mortality
3	Patient with atrial fib on anticoagulants undergoing a breast biopsy	Stopping anticoagulant	Not stopping anticoagulant	Bleeding risk, thromboembolic event risk, mortality
4	Patient with severe hypokalemia (< 2.5 meq/l)	Intravenous potassium	Oral potassium	Arrhythmia, morbidity and mortality
5	Patient with prosthetic valve endocarditis by MSSA	Cephalosporin+rifampicin+gentamicin	Cephalosporin+rifampicin	Complications, mortality
6	Patient with pericardial TB	Steroids	Placebo	Death, symptomatic improvement, sequel
7	Transplant patient with CMV resistant systemic infection	IV gammaglobulin	No IV Gamaglobulin	All cause mortality, CMV related mortality, time to viral load negativization, adverse events
8	Patient with congestive heart failure	IV furosemide bolus	IV furosemide continuous infusion	Mortality, adverse events, arrhythmia
9	Patient with upper gastrointestinal bleeding, forrest III peptic ulcer and pulmonary embolism	Anticoagulants	Vena cava filter and prophylaxis	Major bleeding, upper gastrointestinal bleeding, PE mortality, all-cause mortality
10	Patient with atrial fibrillation and CHADS score > 1	Watchman plus antiplatelet therapy	Anticoagulation	Thromboembolic events, major bleeding, all cause mortality
11	Patient with acute ischemic stroke	Statins	Placebo	Recurrent stroke, all cause mortality
12	Patient undergoing neurosurgery for malignant disease	Early thromboprophylaxis with enoxaparin	Late thromboprophylaxis with enoxaparin	Surgical bleeding, major bleeding, thromboembolic events, mortality
13	Patient with acute diarrhea	Fecal leucocyte to guide therapy	No fecal leucocyte analysis	Morbidity, mortality
14	Inpatient with	Antibiotics AND	Antibiotics	Mortality, hospital

	pneumonia	steroids		stay, mechanical ventilation requirement, ICU stay
15	Patient with catheter related deep venous thrombosis	Anticoagulation and extraction	Wait and watch	Pulmonary embolism, stroke, death
16	Patient with distal inferior limb deep vein thromboses	Anticoagulation	No anticoagulation	Pulmonary embolism, mortality
17	Patient with traumatic splenic laceration	Splenectomy	Wait and watch	Mortality, hemoperitoneum
18	Adult with asymptomatic celiac disease	Gluten free diet	No treatment	Quality of life, cancer
19	Patient with stable COPD	Non invasive mechanical ventilation	Standard treatment	Mortality, quality of life
20	Adult with facial cellulitis	Antibiotics and steroids	Antibiotics only	Symptomatic improvement
21	Patient with skin-soft tissue infection by MRSA	Linezolid	Vancomycin, clindamicin, TMS	Death, sepsis, cure
22	Patient with obstructive renal failure	Ureteral stent	Nephrostomy	Long term improvement of renal function
23	Patient with hypogammaglobulinemia AND acute infection	Immunoglobulin	No immunoglobulin	Symptomatic improvement, death, complications
24	Patient with supratentorial brain tumor	Antiepileptic drugs, primary prevention	No primary prevention	Seizures, death, adverse events
25	Patient undergoing knee arthroplasty	Extended thromboprophylaxis with new oral anticoagulants.	Extended thromboprophylaxis with low weight heparin	DVT, PE, death, bleeding
26	Patient with recurrent cellulitis	prophylactic antibiotic	No prophylactic antibiotic	New cellulitis, adverse events
27	Patient with hepatic encephalopathy	Rifaximin AND lactulose	Lactulose	Death, symptomatic improvement, adverse events
28	Patient with incidental brain aneurysm	Coil	No coil	Bleeding, mortality, adverse events
29	Patient with traumatic subarachnoid hemorrhage	Nimodipin	No nimodipin	Vasospasm, death, adverse effects
30	Patient with renal failure by Wegener's	Rituximab	Standard treatment	Death, end stage renal failure,

	granulomatosis		(Cyclophosphamide)	adverse event
31	Patient with acute pancreatitis	Early enteral feeding	Late feeding	Muerte, morbilidad, días de internación. death, morbidity, hospital stay
32	Patient with dyspnea and heart failure vs acute COPD	pro-BNP to guide management	No pro-BNP	Symptomatic improvement, death
33	Patient with acute asthma	IV magnesium	No IV magnesium	Symptomatic improvement, hospital stay, death
34	Patient with liver abscess greater than 10 cm	Percutaneous drainage	Surgery	Death, abscess resolution
35	Tracheal stenosis by prolonged endotracheal intubation	Endoscopic treatment	Surgical treatment	Death, symptomatic improvement
36	Patient with uncomplicated abdominal aortic aneurysm	Endovascular treatment	Surgical treatment	Death, complications
37	Patient with chlamydia post-infective reactive arthritis	Systemic steroids	Placebo	Symptomatic improvement
38	Patient with splenic abscess	Percutaneous drainage	Splenectomy	Death, complications
39	Patient with venous sinus thrombosis on anticoagulants	Thrombophilia screening	No thrombophilia screening	Recurrence, bleeding, death
40	Patient with systemic sclerosis AND pulmonary hypertension	Heart-Lung Transplantation	No Heart-Lung transplantation	Death
41	Pregnant women	Screening and treatment of CMV infection with intravenous immunoglobulin	No screening	Congenital infection
42	Patient with spontaneous Intracerebral Hemorrhage and suspected malformation-cavernoma	CTA	Angio MRI	Death, malformation diagnosis
43	Patient with ischemic heart disease	Discontinue aspirin	Continue aspirin	Death, vascular events

	undergoing non cardiovascular surgery			
44	Asymptomatic old patient	Hepres Zoster vaccine	No vaccine	Zoster
45	Atrial fibrillation of indeterminate duration	Rythm control	Frecuency control	Mortality, cardiac output
46	Inpatient with acute COPD	Antibiotic therapy based on procalcitonin level	Antibiotic therapy based on clinical criteria	Death, complications
47	Patient with acute ischemic stroke	Aspirin 325mg	Aspirin 100mg	New stroke, death, bleeding
48	Patient with acute ischemic stroke and occlusion of arterial large vessels	Trombectomy	Pharmacotherapy	Disability, death
49	Patient with Lyme disease and central nervous system compromise	Ceftriaxone	Doxycycline	Death, sequel
50	Patient with chronic heart failure	Pro-bnp guided treatment	No pro-BNP guided treatment	Death
51	Patient in early post neurosurgical period with acute PE	Anticoagulation	Vena cava filter	Death, bleeding
52	Patient with Spontaneous Intracerebral Hemorrhage	Antiepileptic drugs, primary prevention	No antiepileptic drugs-primary prevention	Seizures, death, disability
53	Patient with subarachnoid bleeding and without seizures	Antiepileptic drugs, primary prevention	No antiepileptic drugs-primary prevention	Seizures, death, disability
54	Patient with severe traumatic brain injury	Antiepileptic drugs, primary prevention	No antiepileptic drugs-primary prevention	Seizures, death, disability
55	Patient with ACS taking sildenafil in the last 6 hs	Nitroglycerin	No nitroglycerin	Death, shock
56	Patient undergoing renal transplant	Perioperative pharmacologycal thromboprophylaxis	No thromboprophylaxis	Death, deep vein thromboses, oulmonary embolism, bleeding
57	Patient with active cancer undergoing surgery	Extended thromboprophylaxis	Thromboprophylaxis during hospitalization	Deep vein thromboses or pulmonary embolism, bleeding, death
58	Patient with subarachnoid bleeding	Vasospasm screening with transcranial	No doppler	Death, complications

		doppler		
59	Patient with subarachnoid bleeding	Nimodipin	Placebo	Death, complications
60	Patient with chronic leg ulcer and peripheral artery disease	Hyperbaric oxygen therapy	No hyperbaric oxygen therapy	Healing, death
61	Patient undergoing chemotherapy	Erythropoiesis stimulating factors	Placebo	HRQL, death, adverse events, anemia
62	Patient with renal infarction	Anticoagulation	Aspirin	Recurrent thrombotic event, bleeding
63	Patient with post lumbar puncture headache	Caffeine	Placebo	Pain improvement, adverse events
64	Patient with TRALI	steroids	Placebo	death
65	Cancer patient with deep vein thrombosis/pulmonary embolism	Low weight heparin	VKA	Recurrent thrombotic event, death
66	Patient with unprovoked deep vein thromboses who finish 3-6 month therapy of anticoagulant treatment	Aspirin	Placebo	Recurrent deep vein thromboses, death
67	Diabetic patient who takes metformin undergoing IV contrast CT	Discontinue metformin	Continue metformin	Lactic acidosis
68	Patient with evolved ischemic stroke and intracranial stenosis	STENT	Medical therapy	Recurrent stroke, death, bleeding
69	Patient with cardiovascular risk factors who needs NSAIDs	Naproxen	Other NSAIDs	Major vascular events
70	Patient with dvt	Early deambulation	Bed rest	Pulmonary embolism, bleeding, death
71	Patient with giant meningioma	Pre-surgical embolization	NO Pre-surgical embolization	Bleeding, death, disability
72	Patient with cancer and deep vein thromboses	Enoxaparin 1 daily dose	Enoxaparin 2 daily doses	New thrombotic event, bleeding
73	Immunocompromised patient with pulmonary infiltrates	Determination of galactomannans in bronchoalveolar lavage	No Determination of galactomannans in bronchoalveolar	Death, adverse events

			lavage	
74	Metastatic renal cancer	Nephrectomy	No nephrectomy	Survival, adverse events
75	Patient with recent diagnosis of HIV and recent diagnosis of tb	Immediate start of HAART	Delay start of haart	Death, complications
76	Patient with dizziness	Ginkgo Biloba	Betahistin	symptomatic improvement, adverse events
77	patient with superior vena cava syndrome	Stent	medical treatment	symptomatic improvement, complications
78	Patient with HIV related immune reconstitution inflammatory syndrome	steroids	Placebo	Death, symptomatic improvement
79	Steroids-refractory Immune Thrombocytopenic Purpura	Rituximab	Steroids	bleeding, platelet count
80	Patient who had undergone endarterectomy	Aspirin	Aspirin and clopidogrel	Stroke, death, bleeding
81	Patient with ureteral lithiasis	Alpha adrenergic blockers	Placebo	Pain, stone removal, adverse events
82	Patient with recurrent reflex syncope	Midorine	Placebo	Symptomatic improvement, syncope recurrence, adverse events
83	Patient with hyponatremia	Urinary sodium measure	Physical examination	Symptomatic improvement
84	Patient with pre-diabetes	Metformin	No pharmacological treatment	Microvascular complications (events), macrovascular complications (events)
85	Patient with mild or moderate idiopathic pulmonary fibrosis	Pirfenidone	Placebo	Death, progresion, adverse events
86	Patient with systolic heart failure	Angiotensin-neprilysin inhibition	Enalapril	Death, vascular events, adverse events
87	Patient with acute pharyngitis and severe Odynophagia	Steroids	Placebo	Symptomatic improvement, adverse events
88	Patient with aneurysmatic	Surgical treatment	Endovascular treatment	Rebleeding, death, complications,

	subarachnoid hemorrhage			disability
89	Inpatient with pneumonia	Betalactams	Betalactams + macrolides	Death, mechanical ventilation, adverse events
90	Patient with moderate or severe dementia	Memantine	Placebo	Cognitive status, functional status, adverse events
91	Patient with acute asthma	Inhaled steroids	Placebo	Death, mechanical ventilation, hospitalization
92	Patient on anticoagulants undergoing central venous catheter insertion	Femoral	Yugular	Death, hematoma, other complications, successful insertion
93	Patient with acute asthma	Non invasive ventilation AND standard treatment	Standard treatment	Death, mechanical ventilation, hospitalization
94	Patient with non-convulsive epileptic status	Levetiracetam load dose	Phenytoin load dose	Symptomatic improvement, death
95	Women with osteoporosis and NO previous fracture	Vitamin K	Placebo	Hip fracture, vertebral fracture
96	Ratient with vertigo	Betahistin	Placebo	Symptomatic improvement, adverse events
97	Patient with severe clostridium difficile infection	Metronidazol	Vancomycin	cure, recurrence, adverse events
98	Patient undergoing knee or hip fracture surgery	Thromboprophilaxis with new oral anticoagulants	heparin	thromboembolic events, bleeding, death
99	Patient with acute ischemic stroke and low NIHSS score	Ticagrelor	ASA	Recurrent stroke, bleeding, death
100	Patient with asymptomatic cholelithiasis	Cholecystectomy	Observation	Cholelithiasis related complications, surgery related complications

Nr: Question number