## **Supplemental Digital Content 1: Procedures included in study cohort**

Procedure type					
CCI Code	Description	CCI Code	Description		
On bith almost a mia					
Ophthalmologic 1.CL.89		1.CL.59	Cooperdomicostorest		
1.CC.69	Cataract		Secondary cataract		
	Interventions on cornea	1.CD	Interventions on the sclera		
1.CE	Interventions on cornea with sclera	1.CF	Interventions on the choroid		
1.CG	Interventions on the ciliary body	1.CH	Interventions on the iris		
1.CJ	Interventions on the anterior chamber of the eye	1.CL	Interventions on the lens		
1.CM	Interventions on the vitreous	1.CN	Interventions on the retina		
1.CP	Interventions on eye soft tissues	1.CQ	Interventions on ocular muscles and tendons		
1.CR	Interventions on fascia of the eye	1.CS	Interventions on the conjunctiva		
1.CT	Interventions on lacrimal	1.CU	Interventions on lacrimal		
	secretory system		excretory system		
1.CV	Interventions on upper eyelid	1.CX	Interventions on eyelid NEC		
1.CZ	Interventions on eye NEC				
Low-risk surgery	I				
General surgery					
1.MJ.52	Inguinal lymph node drainage	1.MJ.87	Inguinal lymph node partial excision		
1.MJ.89	Inguinal lymph node total excision	1.MK.52	Lymph node of extremity drainage		
1.MK.87	Lymph node of extremity partial excision	1.MK.89	Lymph node of extremity total excision		
1.OD.57	Laparoscopic cholecystectomy	1.SY.80	Hernia (chest and abdomen) repair		
1.YM.55	Removal of device, breast	1.YM.74	Breast fixation		
1.YM.78	Breast reduction	1.YM.79	Repair by increasing size, breast		
1.YM.80	Breast repair	1.YM.87	Partial mastectomy, lumpectomy, partial breast excision		
1.YM.89	Mastectomy				
Gynecologic surg					
1.RB.52.BA	Éndoscopic oophorotomy	1.RB.52.DA	Endoscopic oophorotomy		
1.RB.56.DA	Removal of foreign body from	1.RB.74.DA	Ovary fixation (endoscopic)		
1.1(0.00.0)	ovary (endoscopic)		(		
1.RB.87.DA	Partial oophorectomy (endoscopic)	1.RB.89.DA	Total oophorectomy (endoscopic		
1.RD.52.BA	Salpingo oophorotomy (endoscopic)	1.RD.89.DA	Salpingo-oophorectomy (endoscopic)		
Orthopedic surge	1 /		(οπασσορίο)		
1.BM.72	Upper arm and elbow neurolysis	1.BM.80	Upper arm and elbow neurorrhaphy		
1.BM.87	Partial excision of upper arm and	1.BN.72	Forearm and wrist nerve		
4.55.55	elbow nerves		neurolysis		
1.BP.72	Hand neurolysis	1.BP.80	Hand neurorrhaphy		

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Procedure type CCI Code	Description	CCI Code	Description
Low-risk surgery	v		
Orthopedic surge			
1.BP.87	Partial excision of hand nerves	1.BQ.72	Digital nerve of the hand
1.01 .07	Tartial excision of haria herves	1.00.72	neurolysis
1.BQ.80	Digital nerves of the hand	1.BQ.87	Partial excision of digital nerves
1.00.00	neurorrhaphy		the hand
1.SE.87	Microdiscectomy	1.TA.52.DA	Shoulder joint drainage
		,	(arthroscopic)
1.TA.57.DA	Shoulder joint biopsy	1.TA.58.DA	Shoulder joint biopsy
1117110711271	(arthroscopic)	,	(arthroscopic)
1.TA.72.DA	Shoulder release (arthroscopic)	1.TB.52.GB	Acromioclavicular and
1.174.72.074	Chedidor rolodoo (dramocoopio)	1.10.02.00	sternoclavicular joint drainage
			(arthroscopic)
1.TB.52.GD	Acromioclavicular and	1.TB.87.DA	Acromioclavicular and
	sternoclavicular joint draubage	1.10.07.07	sternoclavicular partial excision
	(arthroscopic)		(arthroscopic)
1.TC.57.DA	Rotator cuff biopsy (arthroscopic)	1.TC.59.DA	Rotator cuff debridement
	reducer our propay (urumoscopio)	1.10.00.07	(arthroscopic)
1.TC.72.DA	Rotator cuff release (arthroscopic)	1.TC.80.DA	Rotator cuff simple repair
1.10.72.07	reduce can release (artificocopie)	1.10.00.07	(arthroscopic)
1.TC.80.GC	Rotator cuff simple repair	1.UB.52	Wrist joint drainage
	(arthroscopic)	1.00.02	What joint drainage
1.UB.53	Wrist joint internal device	1.UB.55	Removal of device from wrist join
	implantation	1.00.00	removal of device from what join
1.UB.57	Wrist joint biopsy	1.UB.58	Wrist joint procurement
1.UB.72	Wrist joint blopsy Wrist joint release	1.UB.73	Wrist joint reduction
1.UB.74	Wrist joint fixation	1.UB.75	Wrist joint fusion
1.UB.80	Wrist joint repair	1.UB.87	Partial excision of wrist joint
1.UC.53	Radioulnar and carpal joints	1.UC.55	Removal of device from
1.00.55	device implantation	1.00.00	radioulnar and carpal joints
1.UC.57	Radioulnar and carpal joints	1.UC.72	Radioulnar and carpal joints
	biopsy	1.00.72	release
1.UC.73	Radioulnar and carpal joints	1.UC.74	Radioulnar and carpal joints
1.00.73	reduction	1.00.74	fixation
1.UC.75	Radioulnar and carpal joints	1.UC.79	Radioulnar and carpal joints
	fusion	1.00.70	lengthening
1.UC.80	Radioulnar and carpal joints	1.UC.82	Radioulnar and carpal joints
1.00.00	repair	1.00.02	reattachment
1.UC.87	Partial excision of radioulnar and	1.UC.89	Carpectomy
	carpal joints	1.00.00	Carpoolomy
1.UF.55	Removal of device from	1.UF.73	Metacarpal bone reduction
	metacarpal bones		Metadarpar berre reduction
1.UF.74	Metacarpal bone fixation	1.UF.80	Osteotomy, osteoclasis
1.UF.87	Partial excision of metacarpal	1.UG.52	Metacarpophalangeal drainage
1.UG.53	Metacarpophalangeal	1.UG.55	Metacarpophalangeal device
	implantation		removal
1.UG.57	Metacarpophalangeal biopsy	1.UG.72	Metacarpophalangeal release
1.UG.73	Metacarpophalangeal reduction	1.UG.74	Metacarpophalangeal fixation
1.UG.75	Metacarpophalangeal fusion	1.UG.80	Metacarpophalangeal repair
			Continue

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1.UJ.73 1.UJ.75 1.UJ.87 1.UK.53 i 1.UK.72 1.UK.74	Partial excision of metacarpophalangeal joints Phalanx reduction Phalanx fusion Partial excision of phalanx Interphalangeal joint device implantation Interphalangeal joint release	1.UJ.71 1.UJ.74 1.UJ.82 1.UJ.93 1.UK.55	Phalanx division  Phalanx fixation Phalanx reattachment Amputation of phalanx Interphalangeal joint device removal
Orthopedic surgery  1.UG.87  1.UJ.73  1.UJ.75  1.UJ.87  1.UK.53  i 1.UK.72  1.UK.74	Partial excision of metacarpophalangeal joints Phalanx reduction Phalanx fusion Partial excision of phalanx Interphalangeal joint device implantation	1.UJ.74 1.UJ.82 1.UJ.93 1.UK.55	Phalanx fixation Phalanx reattachment Amputation of phalanx Interphalangeal joint device
1.UG.87 1.UJ.73 1.UJ.75 1.UJ.87 1.UK.53 1.UK.72 1.UK.74	Partial excision of metacarpophalangeal joints Phalanx reduction Phalanx fusion Partial excision of phalanx Interphalangeal joint device implantation	1.UJ.74 1.UJ.82 1.UJ.93 1.UK.55	Phalanx fixation Phalanx reattachment Amputation of phalanx Interphalangeal joint device
1.UJ.73 1.UJ.75 1.UJ.87 1.UK.53 i 1.UK.72 1.UK.74	metacarpophalangeal joints Phalanx reduction Phalanx fusion Partial excision of phalanx Interphalangeal joint device implantation	1.UJ.74 1.UJ.82 1.UJ.93 1.UK.55	Phalanx fixation Phalanx reattachment Amputation of phalanx Interphalangeal joint device
1.UJ.73 1.UJ.75 1.UJ.87 1.UK.53 i 1.UK.72 1.UK.74	Phalanx reduction Phalanx fusion Partial excision of phalanx Interphalangeal joint device implantation	1.UJ.82 1.UJ.93 1.UK.55	Phalanx reattachment Amputation of phalanx Interphalangeal joint device
1.UJ.75 1.UJ.87 1.UK.53 i 1.UK.72 1.UK.74	Phalanx fusion Partial excision of phalanx Interphalangeal joint device implantation	1.UJ.82 1.UJ.93 1.UK.55	Phalanx reattachment Amputation of phalanx Interphalangeal joint device
1.UJ.87 1.UK.53 i 1.UK.72 1.UK.74	Partial excision of phalanx Interphalangeal joint device implantation	1.UJ.93 1.UK.55	Amputation of phalanx Interphalangeal joint device
1.UK.53 i 1.UK.72 1.UK.74	Interphalangeal joint device implantation	1.UK.55	Interphalangeal joint device
i 1.UK.72 1.UK.74	implantation		
1.UK.74	Interphalangeal joint release	1 I IK 72	
		1.01.73	Interphalangeal joint reduction
	Interphalangeal joint fixation	1.UK.75	Interphalangeal joint fusion
1.UK.80	Interphalangeal joint repair	1.UK.87	Partial excision of interphalanger joint
	Amputation of interphalangeal joint	1.US.58	Finger tendon procurement
	Finger tendon release	1.US.80	Finger tendon repair
1.UT.53	Finger flexor tendon device implantation	1.UT.55	Finger flexor tendon device removal
	Finger flexor tendon release	1.UT.80	Finger flexor tendon repair
	Finger flexor tendon	1.UU.53	Thumb tendon device
	construction/reconstruction	1.00.55	implantation
	Thumb tendon device removal	1.UU.72	Thumb tendon release
	Thumb tendon repair	1.UU.84	Thumb tendon Telease
1.00.00	Than tenden repair	1.00.04	construction/deconstruction
1.UV.72	Wrist and hand tendon release	1.UV.80	Wrist and hand tendon repair
	Soft tissue of hand and wrist	1.UY.55	Removal of device from soft
(	drainage		tissue of hand and wrist
1	Removal of foreign body from soft tissue of hand and wrist	1.UY.57	Soft tissue of hand and wrist biopsy
	Soft tissue of hand and wrist destruction	1.UY.72	Soft tissue of hand and wrist release
	Soft tissue of hand and wrist repair	1.UY.87	Partial excision of soft tissue of hand and wrist
	Hip joint biopsy (arthroscopic)	1.VA.58.DA	Hip joint cartilage biopsy (arthroscopic)
1.VA.72.DA	Hip joint release (arthroscopic)	1.VA.87.GB	Synovectomy hip joint (arthroscopic)
1.VG.52.DA	Knee joint drainage (arthroscopic)	1.VG.57.DA	Knee joint biopsy (arthroscopic)
	Knee joint dramage (artifioscopic) Knee joint cartilage biopsy	1.VG.72.DA	Knee joint biopsy (arthroscopic) Knee joint release (arthroscopic)
	(arthroscopic)		, , ,
(	Synovectomy knee joint (arthroscopic)	1.VK.80.DA	Meniscus repair (arthroscopic)
	Partial excision of meniscus (arthroscopic)	1.VK.89.DA	Total excision of meniscus (arthroscopic)
1.VL.80.DA	Cruciate ligament of knee repair (arthroscopic)	1.VL.80.FY	Cruciate ligament (arthroscopic)
1.VL.87.DA	Partial excision of cruciate	1.VL.87.GB	Partial excision of cruciate
	ligament of the knee (arthroscopic)		ligament of the knee (arthroscopic)

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Procedure type						
CCI Code	Description	CCI Code	Description			
Low-risk surger	у					
Orthopedic surge	ery					
1.WA.57.DA	Ankle joint biopsy (arthroscopic)	1.WA.58.DA	Ankle joint cartilage biopsy (arthroscopic)			
1.WA.72.DA	Ankle joint release (arthroscopic)					
Urologic surgery						
1.PL.74	Bladder fixation	1.PL.87	Transurethral resection			
1.PM.52	Bladder drainage	1.PM.54	Catheter adjustment, irrigation			
1.PM.59	Bladder destruction	1.PQ.26	Urethral brachytherapy			
1.PQ.35	Urethral pharmacotherapy	1.PQ.50	Urethral dilation			
1.PQ.52	Urethral drainage	1.PQ.53	Implantation of internal device, urethra NEC			
1.PQ.54	Management of internal device, urethra NEC	1.PQ.55	Removal of internal device from urethra NEC			
1.PQ.57	Urethral biopsy	1.PQ.58	Urethral procurement			
1.PQ.59	Urethral destruction	1.PQ.72	Urethral release			
1.PQ.77	Urethrostomy, fistulization	1.PQ.78	Urethral repair by reducing size			
1.PQ.80	Urethral repair	1.QT.87	Partial prostatectomy			