

**GOVERNMENT HEALTH INSURANCE FOR THE POOR IN INDIA: A QUASI-EXPERIMENTAL
EVALUATION OF INSURANCE AND HEALTH OUTCOMES**

[SUPPLEMENTARY APPENDIX]

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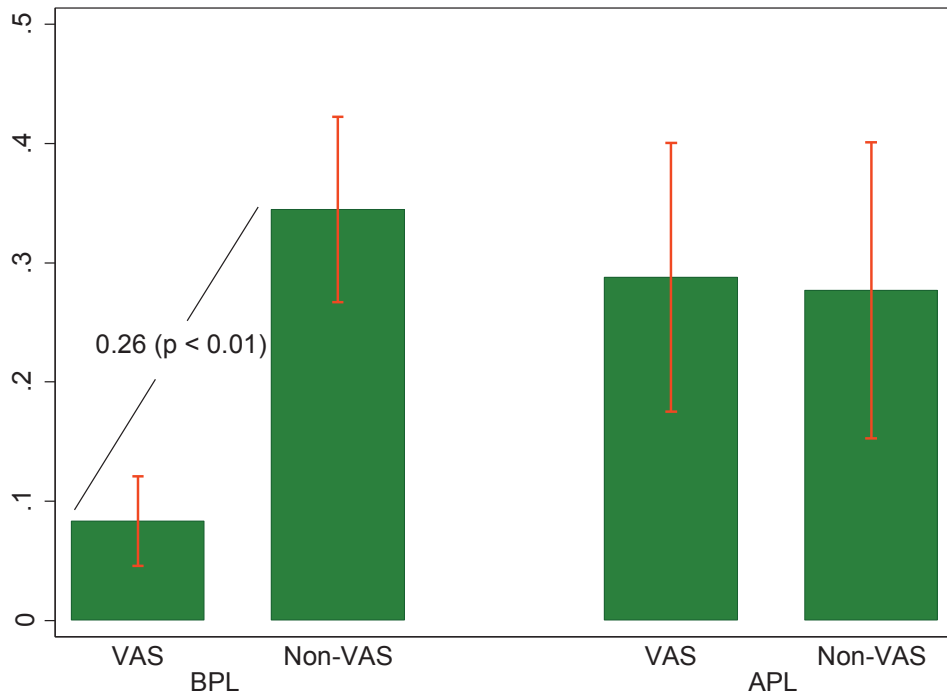
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Supplementary Figures

Figure A1. Fraction of Households That Reported a Death During the Previous Year From a Cardiac Condition



Notes: Results of a sensitivity analysis comparing cardiac mortality rates for VAS-eligible and VAS-ineligible households. Red bars represent 95% confidence intervals. This figure shows that households below the poverty line on the VAS-eligible side of the border had lower mortality from cardiac conditions, but there was no difference among households above the poverty line. Standard errors were clustered at the village level.

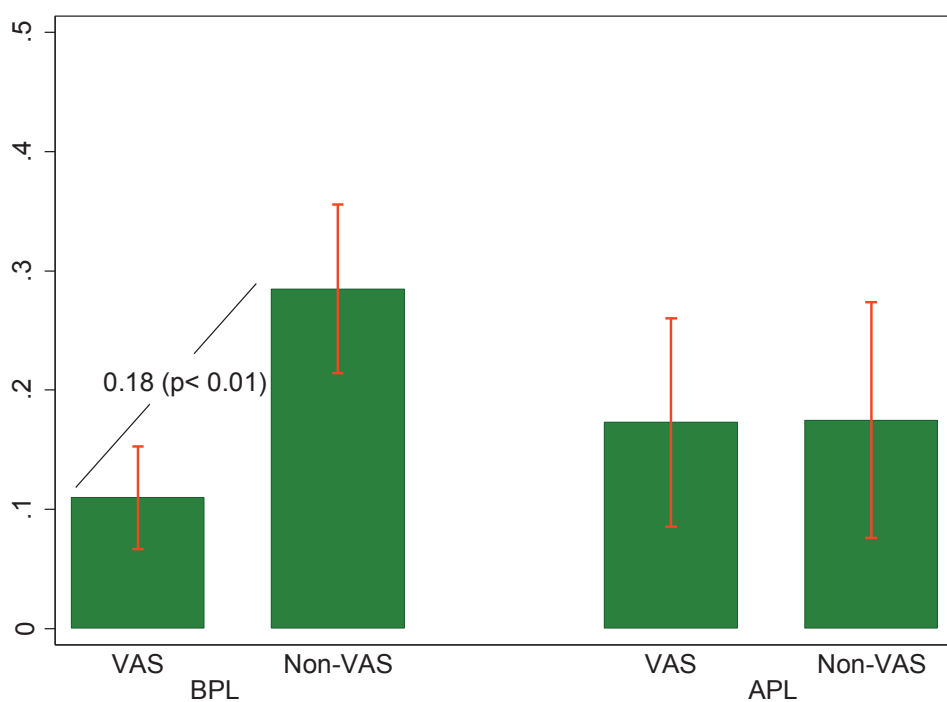
BPL= Below the poverty line

APL= Above the poverty line (households above the poverty line are not eligible for VAS)

VAS= On the northern VAS-eligible side of the border

Non-VAS= On the southern VAS-ineligible side of the border

Figure A2. Fraction of Households That Reported a Death During the Previous Year From Cancer



Notes: Results of a sensitivity analysis comparing cancer mortality rates for VAS-eligible and VAS-ineligible households. Red bars represent 95% confidence intervals. This figure shows that households below the poverty line on the VAS-eligible side of the border had lower mortality from cardiac conditions, but there was no difference among households above the poverty line. Standard errors were clustered at the village level

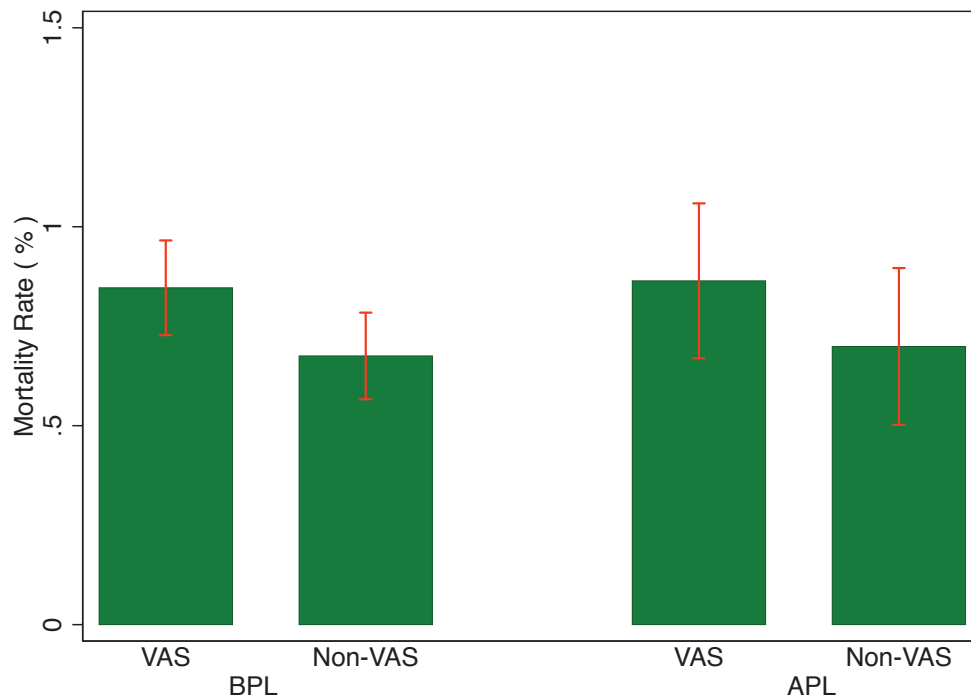
BPL= Below the poverty line

APL= Above the poverty line (households above the poverty line are not eligible for VAS)

VAS= On the northern VAS-eligible side of the border

Non-VAS= On the southern VAS-ineligible side of the border

Figure A3. Fraction of Households That Reported a Death During the Previous Year From Conditions Not Covered By VAS



Notes: Results of a sensitivity analysis comparing mortality rates for conditions not covered by VAS for VAS-eligible and VAS-ineligible households. Red bars represent 95% confidence intervals. VAS and Non-VAS rates are not statistically different. This figure shows that VAS-eligible and VAS-ineligible households had similar mortality rates from uncovered conditions for household both below and above the poverty line

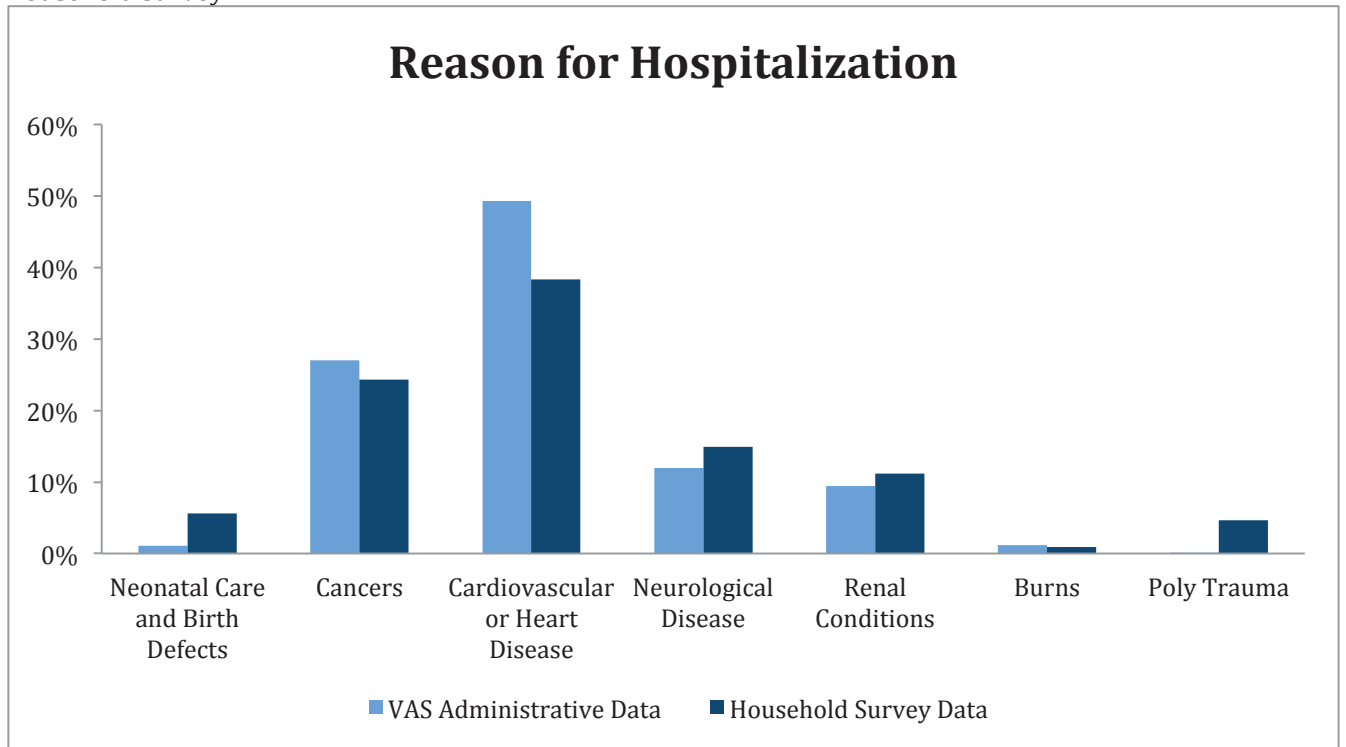
BPL= Below the poverty line

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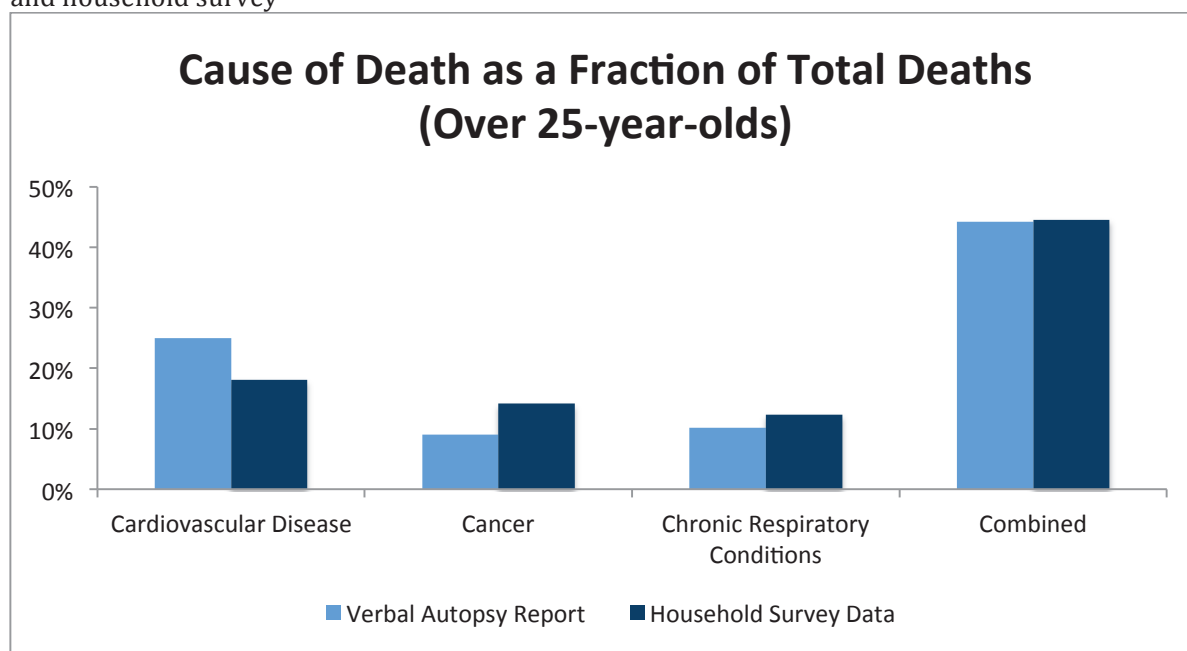
Figure A4. Comparison of distributions of reason for hospitalization between VAS administrative* data and household survey†



* VAS administrative data is from study period in study districts only

† Household survey data is for VAS eligible households with a hospitalization at a facility capable of providing tertiary care

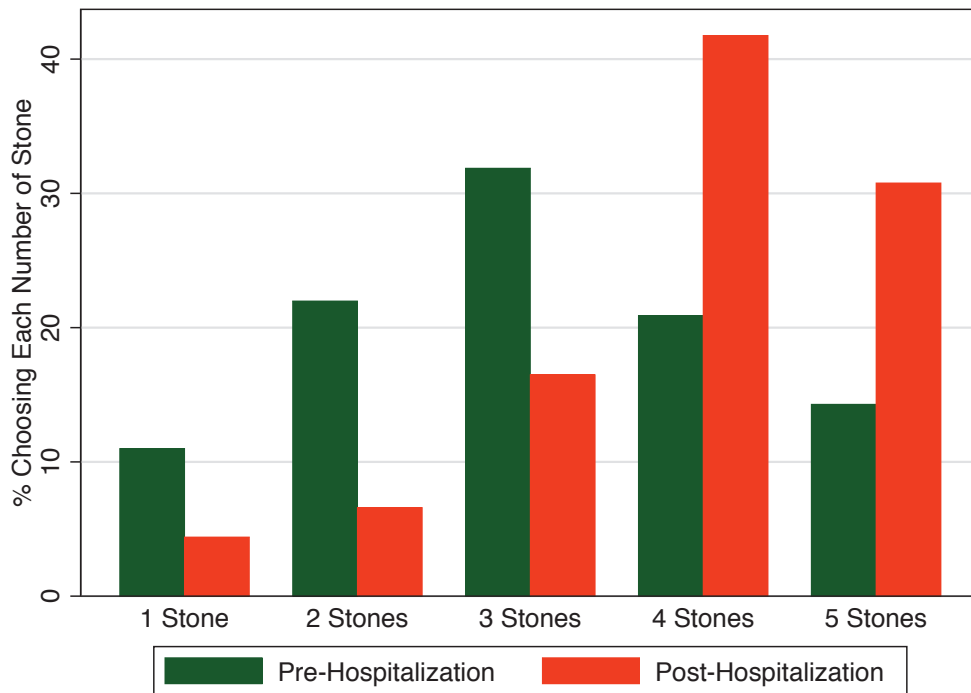
Figure A5. Comparison of distributions of cause death between India verbal autopsy report* data and household survey†



* Verbal autopsy report, conducted from 2001-2003, determined cause of death using an advanced form of Verbal Autopsy called the "RHIME" or Representative, Re-sampled, Routine Household Interview of Mortality with Medical Evaluation in India. The report is representative of 27 Districts across India (6,645 sampling units, rural and urban) and is available from http://www.icmr.nic.in/final/causes_death/causes_death.htm.

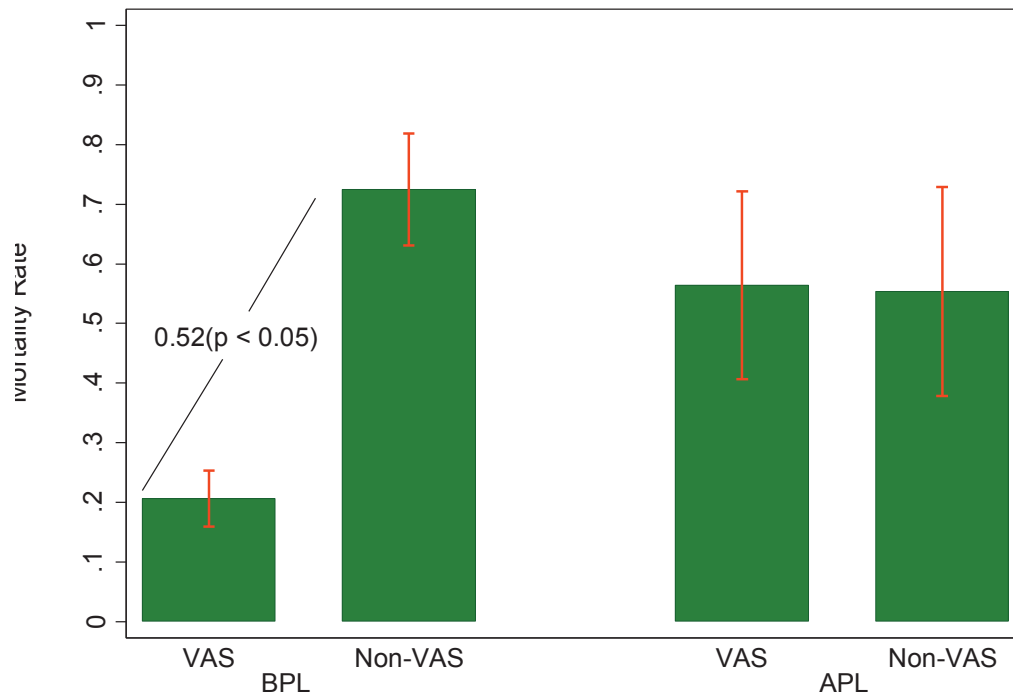
† Household survey data are for VAS-ineligible households only since VAS-eligible households are likely to have lower mortality for these conditions as a result of VAS.

Figure A6. Self-reported pre- and post-hospitalization outcomes for VAS beneficiaries



Notes: Responses based on questions asking respondents to place the number of stones into a cup that represents their overall health the few days before the hospitalization (Pre) and the day of the survey (Post). 5 stones indicates perfect health. 1 stone indicates extreme sickness. All respondents were sufficiently trained with practice questions prior. This figure implies that VAS beneficiaries improved after hospitalizations and were generally in good health on the date of the survey

Figure A7. Fraction of Households That Reported a Death During the Previous Year From a VAS Covered Condition (Below Poverty Line Households Without Card Included)



Notes: Main mortality results with households that reported being Below Poverty Line but that were unable to provide a Below Poverty Line card included with Below Poverty Line category. Red bars represent 95% confidence intervals. This figure shows that households below the poverty line on the VAS-eligible side of the border had lower mortality from cardiac conditions, but there was no difference among households above the poverty line. Standard errors were clustered at the village level

BPL= Below the poverty line

APL= Above the poverty line (households above the poverty line are not eligible for VAS)

VAS= On the northern VAS-eligible side of the border

Non-VAS= On the southern VAS-ineligible side of the border

Tables

Table A1. Sensitivity analysis comparing utilization results when counting verified hospitalizations

	% Difference	
	All Hospitalizations	Verified Hospitalizations
% Of Households Using a Tertiary Care Facility for Potentially Covered Conditions		
All Facilities	-5.4% (p = 0.64)	-2.45% (p = 0.61)
All Tertiary Care Facilities (TCFs)	19.9% (p = 0.26)	16.15% (p = 0.44)
Excluding Emergency Department	42.7% (p=0.08)	33.39% (p = 0.22)

Notes: This table presents results from the same analysis as presented in Table 4 of the main paper compared with the same analysis only including hospitalizations that were verified by the interviewer

Table A2: Sensitivity analysis comparing out-of-pocket payment results when only counting verified hospitalizations

	%Difference	
	All Hospitalizations	Verified Hospitalizations
All Facilities	-39.5% (p < 0.01)	-43.8%(p < 0.01)
All Tertiary Care Facilities	-60.2%(p < 0.01)	-70.9%(p < 0.01)
Excluding Emergency Department	-68.7%(p < 0.01)	-76.4%(p < 0.01)

Notes: This table presents results from the same analysis as presented in Table 3 of the main paper compared with the same analysis only including hospitalizations that were verified by the interviewer

Table A3. Mortality Rate for Eligible and Ineligible Districts (2004-2008)

	VAS-eligible	VAS-ineligible	P-value ¹
Any Household Member	14.5%	14.0%	0.590
Female Aged 15-49	1.4%	1.3%	0.771

Data are from the District Level Household Survey (N=6,346 households). Mortality rates are calculated by taking the share of the households with a death since January 1, 2004 using District Level Household Survey district household survey weights.

¹ Estimated from t-tests

Table A4. Complete list of procedures covered by VAS			
Sl. No.	Main Specialty	Sub-specialty	Procedure Name
1	Burns	Burns	Up to 30% (with grafting)
2	Burns	Burns	Up to-40% with Scalds(Conservative/ without grafting)
3	Burns	Burns	Up to-40% Mixed Burns(with grafting)
4	Burns	Burns	Up to-50% with Scalds (Conservative)
5	Burns	Burns	Up to-50% Mixed Burns(with surgery grafting)
6	Burns	Burns	Up to-60% with Scalds (Conservative)
7	Burns	Burns	Up to-60% Mixed Burns (with Surgeries)
8	Burns	Burns	Above 60% Mixed Burns (with Surgeries)
9	Burns	Burns	Post Burn Contracture surgeries for Functional Improvement(Package including splints, pressure garments and physiotherapy), Mild
10	Burns	Burns	Post Burn Contracture surgeries for Functional Improvement(Package including splints, pressure garments and physiotherapy), Moderate
11	Burns	Burns	Post Burn Contracture surgeries for Functional Improvement(Package including splints, pressure garments and physiotherapy), Severe
12	Cardiology	Cardiology	PTCA - one stent (non-medicated)
13	Cardiology	Cardiology	PTCA - 2 stent (non-medicated)
14	Cardiology	Cardiology	Balloon Mitral Valvotomy
15	Cardiology	Cardiology	Coarctation dilatation
16	Cardiology	Cardiology	Balloon Pulmonary Valvotomy
17	Cardiology	Cardiology	Balloon Aortic Valvotomy
18	Cardiology	Cardiology	Peripheral Angioplasty withstent (non-medicated)
19	Cardiology	Cardiology	Renal Angioplasty withstent (non-medicated)
20	Cardiology	Cardiology	Both side renal Angioplasty withstent (non-medicated)
21	Cardiology	Cardiology	Vertebral Angioplasty
22	Cardiology	Pacemaker Implantation	Temporary Pacemaker implantation
23	Cardiology	Pacemaker Implantation	Permanent pacemaker implantation (only VVI) including Pacemaker value
24	Cardiology	Cardiology	Pericardiocentesis
25	Cardiology	Device Closure	PDA Device Closure
26	Cardiology	Device Closure	ASD Device Closure
27	Cardiology	Device Closure	VSD Device Closure
28	Cardiology	Coil Closure	PDA Coil (one) insertion
29	Cardiology	Coil Closure	PDA Multiple coil insertion
30	Cardiology	Cardiology	IVUS
31	Cardiology	Cardiology	EP study
32	Cardiology	Cardiology	RF Ablation
33	Cardiology	Cardiology	3D Mapping + Ablation
34	Cardiology	Cardiology	Medical treatment of Acute MI with Thrombolysis
35	Cardiology	Cardiology	Thrombolysis for peripheral ischemia
36	Cardiology	Cardiology	Rotablation+ PTCA
37	Cardiology	Cardiology	Rotablation+ PTCA+ Stent
38	Cardiothoracic Surgery	CABG	CABG
39	Cardiothoracic Surgery	CABG	CABG with IABP
40	Cardiothoracic Surgery	CABG	CABG with Aneurismal repair

41	Cardiothoracic Surgery	CABG	CABG with MV repair
42	Cardiothoracic Surgery	CABG	CABG with post MI VSD repair
43	Cardiothoracic Surgery	Valve Repair	Open Mitral Valvotomy
44	Cardiothoracic Surgery	Valve Repair	Open Aortic Valvotomy
45	Cardiothoracic Surgery	Valve Repair	Open Pulmonary Valvotomy
46	Cardiothoracic Surgery	Valve Repair	Mitral Valve Repair
47	Cardiothoracic Surgery	Valve Repair	Tricuspid Valve Repair
48	Cardiothoracic Surgery	Valve Repair	Aortic Valve Repair
49	Cardiothoracic Surgery	Valve Replacement	Mitral Valve Replacement
50	Cardiothoracic Surgery	Valve Replacement	Aortic Valve Replacement
51	Cardiothoracic Surgery	Valve Replacement	Double Valve Replacement
52	Cardiothoracic Surgery	Valve	Ross Procedure
53	Cardiothoracic Surgery	Congenital (Simple)	ASD
54	Cardiothoracic Surgery	Congenital (Simple)	VSD
55	Cardiothoracic Surgery	Congenital (Simple)	AVSD/ AV Canal Defect
56	Cardiothoracic Surgery	Congenital (Simple)	ICR for TOF
57	Cardiothoracic Surgery	Congenital (Simple)	Pulmonary Valvotomy + RVOT Resection
58	Cardiothoracic Surgery	Congenital (Simple)	AP Window
59	Cardiothoracic Surgery	Congenital (Simple)	Surgery for HOCM
60	Cardiothoracic Surgery	Congenital (Simple)	Ebsteins
61	Cardiothoracic Surgery	Congenital (Simple)	Fontan
62	Cardiothoracic Surgery	Congenital (Complex)	TAPVC
63	Cardiothoracic Surgery	Congenital (Complex)	Pulmonary Atresia with or without VSD
64	Cardiothoracic Surgery	Congenital (Complex)	TGA
65	Cardiothoracic Surgery	Congenital (Complex)	Arterial Switch Operation
66	Cardiothoracic Surgery	Congenital (Complex)	Sennings
67	Cardiothoracic Surgery	Congenital (Complex)	Mustards
68	Cardiothoracic Surgery	Congenital (Complex)	Pulmonary Conduit
69	Cardiothoracic Surgery	Congenital (Complex)	Truncus Arteriosus Surgery

70	Cardiothoracic Surgery	Congenital (Complex)	Root Replacement (Aortic Aneurysm/ Aortic Dissection) / Bentall Procedure
71	Cardiothoracic Surgery	Congenital (Complex)	Aortic Arch Replacement
72	Cardiothoracic Surgery	Congenital (Complex)	Aortic Aneurysm Repair using CPB
73	Cardiothoracic Surgery	Congenital (Complex)	Aortic Aneurysm Repair without using CPB
74	Cardiothoracic Surgery	Acquired	Pulmonary Embolectomy / Endarterectomy
75	Cardiothoracic Surgery	Acquired	Surgery for Cardiac Tumour/ LA Myxoma/ RA Myxoma
76	Cardiothoracic Surgery	Closed Heart Procedures	Closed Mitral Valvotomy
77	Cardiothoracic Surgery	Closed Heart Procedures	PDA Closure
78	Cardiothoracic Surgery	Closed Heart Procedures	Coarctation Repair
79	Cardiothoracic Surgery	Closed Heart Procedures	Coarctation Repair with graft
80	Cardiothoracic Surgery	Closed Heart Procedures	BT Shunt (inclusives of grafts)
81	Cardiothoracic Surgery	Closed Heart Procedures	Glenn Shunt
82	Cardiothoracic Surgery	Closed Heart Procedures	Central Shunt
83	Cardiothoracic Surgery	Closed Heart Procedures	Aortic arch Anamolies
84	Cardiothoracic Surgery	Closed Heart Procedures	Pericardiectomy
85	Cardiothoracic Surgery	Closed Heart Procedures	Thoracoscopic surgery
86	Cardiothoracic Surgery	Cardiac Injuries	Surgery without CPB
87	Cardiothoracic Surgery	Cardiac Injuries	Surgery with CPB
88	Cardiothoracic Surgery	Thoracic Surgery	Lobectomy
89	Cardiothoracic Surgery	Thoracic Surgery	Pneumonectomy
90	Cardiothoracic Surgery	Thoracic Surgery	Pleurectomy
91	Cardiothoracic Surgery	Thoracic Surgery	Decortication
92	Cardiothoracic Surgery	Thoracic Surgery	Mediastinotomy
93	Cardiothoracic Surgery	Thoracic Surgery	Pulmonary AV Fistula surgery
94	Cardiothoracic Surgery	Thoracic Surgery	Lung Cyst
95	Cardiothoracic Surgery	Thoracic Surgery	SOL mediastinum
96	Cardiothoracic Surgery	Thoracic Surgery	Surgical Correction of Bronchopleural Fistula.
97	Cardiothoracic Surgery	Thoracic Surgery	Diaphragmatic Eventeration
98	Cardiothoracic Surgery	Thoracic Surgery	Diaphragmatic Hernia
99	Cardiothoracic	Thoracic Surgery	Oesophageal Diverticula /Achalasia Cardia

	Surgery		
100	Cardiothoracic Surgery	Thoracic Surgery	Diaphragmatic Injuries
101	Cardiothoracic Surgery	Thoracic Surgery	Thoracotomy, Thoraco Abdominal Approach
102	Cardiothoracic Surgery	Thoracic Surgery	Foreign Body Removal with scope
103	Cardiothoracic Surgery	Thoracic Surgery	Bronchial Repair Surgery for Injuries due to FB
104	Cardiothoracic Surgery	Thoracic Surgery	Gastro Study Followed by Thoracotomy & Repairs for Oesophageal Injury for Corrosive Injuries/FB
105	Cardiothoracic Surgery	Thoracic Surgery	Oesophageal tumour removal
106	Cardiothoracic Surgery	Thoracic Surgery	Oesophagectomy
107	Cardiothoracic Surgery	Thoracic Surgery (Chest Injuries)	Lung Injury repair
108	Cardiothoracic Surgery	Thoracic Surgery (Chest Injuries)	Diaphragmatic injury repair
109	Cardiothoracic Surgery	Thoracic Surgery (Chest Injuries)	Thyomectomy
110	Cardiovascular Surgery	Vascular	Patch Graft Angioplasty
111	Cardiovascular Surgery	Vascular	Femoropopliteal by pass procedure with graft (inclu. Graft)
112	Cardiovascular Surgery	Vascular	Thromboembolectomy
113	Cardiovascular Surgery	Vascular	Surgery for Arterial Aneurysm -Distal Abdominal Aorta
114	Cardiovascular Surgery	Vascular	Surgery for Arterial Aneurysm -Upper Abdominal Aorta
115	Cardiovascular Surgery	Vascular	Surgery for Arterial Aneurysm -Vertebral
116	Cardiovascular Surgery	Vascular	Intrathoracic Aneurysm (without graft)-Aneurysm not Requiring Bypass Techniques
117	Cardiovascular Surgery	Vascular	Intrathoracic Aneurysm (with graft) -Requiring Bypass Techniques
118	Cardiovascular Surgery	Vascular	Dissecting Aneurysms with CPB (inclu. Graft)
119	Cardiovascular Surgery	Vascular	Dissecting Aneurysms without CPB (incl. graft)
120	Cardiovascular Surgery	Vascular	Vascular Procedure – Major Vessels
121	Cardiovascular Surgery	Vascular	Vascular Procedure – Minor Vessels
122	Cardiovascular Surgery	Vascular	Surgery for Arterial Aneurysm Renal Artery
123	Cardiovascular Surgery	Vascular	Surgery for Arterial Aneurysm Carotid
124	Cardiovascular Surgery	Vascular	Surgery for Arterial Aneurysm Main Arteries of the Limb
125	Cardiovascular Surgery	Vascular	Operations for Acquired Arteriovenous Fistula
126	Cardiovascular Surgery	Vascular	Congenital Arterio Venous Fistula
127	Cardiovascular Surgery	Vascular	Operations for Stenosis of Renal Arteries

128	Cardiovascular Surgery	Vascular	Peripheral Embolectomy without graft
129	Cardiovascular Surgery	Vascular	Aorto Billiac / Bifemoral bypass with Synthetic Graft
130	Cardiovascular Surgery	Vascular	Axillo bifemoral bypass with Synthetic Graft
131	Cardiovascular Surgery	Vascular	Femoro Distal Bypass with Vein Graft
132	Cardiovascular Surgery	Vascular	Femoro Distal Bypass with Synthetic Graft
133	Cardiovascular Surgery	Vascular	Axillo Brachial Bypass using with Synthetic Graft
134	Cardiovascular Surgery	Vascular	Brachio - Radial Bypass with Synthetic Graft
135	Cardiovascular Surgery	Vascular	Excision of Carotid body Tumor with vascular repair
136	Cardiovascular Surgery	Vascular	Carotid artery bypass with Synthetic Graft
137	Cardiovascular Surgery	Vascular	Excision of Arterio Venous malformation - Large
138	Cardiovascular Surgery	Vascular	Excision of Arterio Venous malformation - Small
139	Cardiovascular Surgery	Vascular	Arterial Embolectomy
140	Cardiovascular Surgery	Vascular	D V T - IVC Filter
141	Cardiovascular Surgery	Vascular	Vascular Tumors
142	Cardiovascular Surgery	Vascular	Small Arterial Aneurysms - Repair
143	Cardiovascular Surgery	Vascular	Medium size arterial aneurysms - Repair
144	Cardiovascular Surgery	Vascular	Medium size arterial aneurysms with synthetic graft
145	Cardiovascular Surgery	Vascular	Carotid endarterectomy
146	Genito Urinary Surgery	Urology	Open Pyelolithotomy
147	Genito Urinary Surgery	Urology	Open Nephrolithotomy
148	Genito Urinary Surgery	Urology	Open Cystolithotomy
149	Genito Urinary Surgery	Urology	VVF Repair
150	Genito Urinary Surgery	Urology	Pyeloplasty
151	Genito Urinary Surgery	Urology	Cystolithotripsy
152	Genito Urinary Surgery	Urology	PCNL (Percutaneous Nephro Lithotomy)
153	Genito Urinary Surgery	Urology	ESWL (Extra carporial shock-wave lithotripsy)
154	Genito Urinary Surgery	Urology	URSL
155	Genito Urinary Surgery	Urology	Nephrostomy (PCN)
156	Genito Urinary Surgery	Urology	DJ stent (One side)
157	Genito Urinary Surgery	Urology	Urethronlasty for Stricture Diseases-single stage

158	Genito Urinary Surgery	Urology	Urethroplasty for Stricture Diseases-First Stage
159	Genito Urinary Surgery	Urology	Urethroplasty for Stricture Diseases-Second Stage
160	Genito Urinary Surgery	Urology	Hypospadiasis(Adult)
161	Genito Urinary Surgery	Urology	TURBT
162	Genito Urinary Surgery	Urology	TURP
163	Genito Urinary Surgery	Urology	Simple Nephrectomy
164	Genito Urinary Surgery	Urology	Lap. Nephrectomy Simple
165	Genito Urinary Surgery	Urology	Lap. Nephrectomy Radical
166	Genito Urinary Surgery	Urology	Lap. Partial Nephrectomy
167	Medical Oncology	Breast	Adriamycin/Cyclophosphamide (AC)
168	Medical Oncology	Breast	5- Fluorouracil A-C (FAC)
169	Medical Oncology	Breast	AC (AC then T)
170	Medical Oncology	Breast	Paclitaxel
171	Medical Oncology	Breast	Cyclophosphamide/Methotrexate/5Fluorouracil (CMF)
172	Medical Oncology	Breast	Tamoxifen tabs
173	Medical Oncology	Breast	Aromatase Inhibitors
174	Medical Oncology	Cervical Cancer	Weekly Cisplatin
175	Medical Oncology	Vulval Cancer	Cisplatin/5-FU
176	Medical Oncology	Vaginal Cancer	Cisplatin/5-FU
177	Medical Oncology	Ovarian Cancer	Carboplatin/Paclitaxel
178	Medical Oncology	Ovary Germcell Tumour	Bleomycin-Etoposide-Cisplatin (BEP)
179	Medical Oncology	Gestational Trophoblast Ds.- Lowrisk	Weekly Methotrexate
180	Medical Oncology	Gestational Trophoblast Ds.- Lowrisk	Actinomycin
181	Medical Oncology	Gestational Trophoblast Ds.- Highrisk	Etoposide-Methotrexate-Actinomycin / Cyclophosphamide -Vincristine (EMA-CO)
182	Medical Oncology	Testicular Cancer	Bleomycin-Etoposide-Cisplatin (BEP)
183	Medical Oncology	Prostate Cancer	Hormonal therapy
184	Medical Oncology	Bladder Cancer	Weekly Cisplatin
185	Medical Oncology	Bladder Cancer	Methotrexate Vinblastine Adriamycin Cyclophosphamide (MVAC)

186	Medical Oncology	Non-small cell lung cancer	Cisplatin/Etoposide (IIIB)
187	Medical Oncology	Oesophageal Cancer	Cisplatin- 5FU
188	Medical Oncology	Gastric Cancer	5-FU -Leucovorin (McDonald Regimen)
189	Medical Oncology	Colorectal Cancer	Monthly 5-FU
190	Medical Oncology	Colorectal Cancer	5-Fluorouracil-Oxaliplatin -Leucovorin (FOLFOX) (Stage III only)
191	Medical Oncology	Osteosarcoma Bone Tumors	Cisplatin/Adriamycin+ifosmide (IAP)
192	Medical Oncology	Lymphoma-Hodgkin disease	Adriamycin - Bleomycin - Vinblastine Dacarbazine (ABVD)
193	Medical Oncology	Lymphoma-NHL	Cyclophosphamide - Adriamycin Vincristine - Prednisone (CHOP)
194	Medical Oncology	Multiple Myeloma	Vincristine, Adriamycin,Dexamethasone(VAD)
195	Medical Oncology	Multiple Myeloma	Thalidomide+Dexamethasone(Oral)
196	Medical Oncology	Multiple Myeloma	Melphalan -Prednisone (oral)
197	Medical Oncology	Wilm's Tumor	SIOP/NWTS regimen(Stages I - III)
198	Medical Oncology	Hepatoblastoma Operable	Cisplatin - Adriamycin
199	Medical Oncology	Childhood B Cell Lymphomas	Variable Regimen
200	Medical Oncology	Neuroblastoma (Stages I-III)	Variable Regimen
201	Medical Oncology	Retinoblastoma	Carbo/Etoposide/Vincristine
202	Medical Oncology	Histiocytosis	Variable Regimen
203	Medical Oncology	Rhabdomyosarcoma	Vincristine-Actinomycin-Cyclophosphamide(VactC) based chemo
204	Medical Oncology	Ewings sarcoma	Variable Regimen
205	Medical Oncology	Acute Myeloid Leukemia	Induction Phase
206	Medical Oncology	Acute Myeloid Leukemia	Consolidation Phase
207	Medical Oncology	Acute Lymphoblastic Leukemia	Induction phase 1st and 2nd months
208	Medical Oncology	Acute Lymphoblastic Leukemia	3rd, 4th, 5th
209	Medical Oncology	Acute Lymphoblastic Leukemia	Maintenance
210	Medical Oncology	unlisted regimen	Palliative Chemotherapy
211	Medical Oncology	For Terminally ill cancer patient	Palliative and Supportive Therapy
212	Medical Oncology	Colorectal Cancer Stage 2 & 3	XELOX along with Adjuvant chemotherapy
213	Medical Oncology	MULTIPLE MYELOMA	Zoledronic acid along with Adjuvant Chemotherapy of AS-I

214	Medical Oncology	Febrile Neutropenia-Highrisk-1	1ST Line iv antibiotics And other supportive therapy (third generation cephalosporin, aminoglycoside etc.,)
215	Medical Oncology	Febrile Neutropenia-Highrisk-2	2nd line iv antibiotics and other supportive therapy(Carbapenems, Fourth generation cephalosporins, Piperacillin, anti-fungal - azoles etc.,)
216	Neuro Surgery	Brain	Craniotomy and Evacuation of Haematoma -Subdural
217	Neuro Surgery	Brain	Craniotomy and Evacuation of Haematoma -Extradural
218	Neuro Surgery	Brain Tumor	Excision of Brain Tumor Supratentorial-Parasagittal
219	Neuro Surgery	Brain Tumour	Excision of Brain Tumor Supratentorial-Basal
220	Neuro Surgery	Brain Tumour	Excision of Brain Tumor Supratentorial-Brainstem
221	Neuro Surgery	Brain Tumour	Excision of Brain Tumor Supratentorial-C P Angle
222	Neuro Surgery	Brain Tumour	Excision of Brain Tumor Supratentorial & others
223	Neuro Surgery	Brain Tumour	Excision of Brain Tumors -Subtentorial
224	Neuro Surgery	Brain Tumour	Image Guided Biopsy
225	Neuro Surgery	Brain	Intervention with coiling
226	Neuro Surgery	Brain	Ventriculoatrial /Ventriculoperitoneal Shunt
227	Neuro Surgery	Brain	Twist Drill Craniostomy
228	Neuro Surgery	Brain	Subdural Tapping
229	Neuro Surgery	Brain	Abscess Tapping Single
230	Neuro Surgery	Brain	Abscess Tapping multiple
231	Neuro Surgery	Brain	Meningo Encephalocele
232	Neuro Surgery	Brain	Meningomyelocele
233	Neuro Surgery	Brain	C.S.F. Rhinorrhoea
234	Neuro Surgery	Brain	Cranioplasty
235	Neuro Surgery	Brain	Meningocele Excision
236	Neuro Surgery	Brain	Excision of Brain Abcess
237	Neuro Surgery	Brain	Aneurysm Clipping
238	Neuro Surgery	Brain	Carotid angioplasty with stent
239	Neuro Surgery	Brain	Carotid angioplasty without stent
240	Neuro Surgery	Brain	External Ventricular Drainage (EVD)
241	Neuro Surgery	Spinal	Spinal Cord Tumours
242	Neuro Surgery	Spinal	Excision of Cervical Inter-Vertebral Discs
243	Neuro Surgery	Spinal	Posterior Cervical Discectomy
244	Neuro Surgery	Spinal	Anterior Cervical Discectomy
245	Neuro Surgery	Spinal	Anterior Cervical Spine Surgery with fusion
246	Neuro Surgery	Spinal	Anterio Lateral Decompression
247	Neuro Surgery	Spinal	Laminectomy-Cervical
248	Neuro Surgery	Spinal	Discectomy-Dorso Lumbar
249	Neuro Surgery	Spinal	Discectomy-Lumbar
250	Neuro Surgery	Spinal	Discectomy + cost of implant
251	Neuro Surgery	Spinal	Spinal Fusion Procedure
252	Neuro Surgery	Spinal	Spinal Intra Medullary Tumours
253	Neuro Surgery	Spinal	Spina Bifida Surgery Major
254	Neuro Surgery	Spinal	Spina Bifida Surgery Minor
255	Neuro Surgery	Spinal	Stereotaxic Procedures
256	Neuro Surgery	Spinal	Vertebral artery Stenting
257	Neuro Surgery	AAD Surgeries	Transoral surgery and CV Junction
258	Neuro Surgery	AAD Surgeries	Trans oral Surgery
259	Neuro Surgery	Brain	Trans Sphenoidal Surgery
260	Neuro Surgery	Spinal	RF Lesions for Trigeminal Neuralgia

261	Neuro Surgery	Spinal	Anterior discectomy & bone grafting
262	Neuro Surgery	Spinal	Corpectomy for Spinal Fixation
263	Neuro Surgery	Spinal	Spinal Fixation Rods and Plates
264	Neuro Surgery	Neuro Surgery	Muscle Biopsy with report
265	Neuro Surgery	Spinal	MVD
266	Neuro Surgery	Neuro Surgery	Nerve Biopsy with report
267	Neuro Surgery	Neuro Surgery	Nerve Decompression
268	Neuro Surgery	Neuro Surgery	Parasagittal SOL
269	Neuro Surgery	Neuro Surgery	Peripheral Nerve Surgery Major
270	Neuro Surgery	Neuro Surgery	Peripheral Nerve Surgery Minor
271	Paediatric Surgeries	Gastro Intestinal Tract	Oesophageal Atresia
272	Paediatric Surgeries	Gastro Intestinal Tract	Diaphragmatic Hernia
273	Paediatric Surgeries	Gastro Intestinal Tract	Intestinal Atresias & Obstructions
274	Paediatric Surgeries	Gastro Intestinal Tract	Biliary Atresia & Choledochal Cyst
275	Paediatric Surgeries	Gastro Intestinal Tract	Anorectal Malformations Stage 1
276	Paediatric Surgeries	Gastro Intestinal Tract	Anorectal Malformations Stage 2
277	Paediatric Surgeries	Genito Urinary Surgeries	Hypospadias
278	Polytrauma	Polytrauma	Nerve and tendon repair + Vascular repair
279	Polytrauma	Polytrauma	Nerve & Tendon Repair + Vascular Repair (Grade-I& II)
280	Polytrauma	Polytrauma	Nerve & Tendon Repair + Vascular Repair (Grade-III)
281	Polytrauma	Plastic Surgery	Flap cover Surgery for wound in compound fracture
282	Polytrauma	Polytrauma	Other Small bone fractures/K-wiring (To be covered along with other injuries only and not as exclusive procedure)
283	Polytrauma	Polytrauma	Surgery for Patella fracture (To be covered along with other injuries only and not as exclusive procedure)
284	Polytrauma	Plastic Surgery	Facial bone fractures (Facio-Maxillary Injuries)
285	Polytrauma	Pelvic Bone Fractures	Surgical Correction of Pelvic bone fractures.
286	Radiation Oncology	Brain Tumour	Gamma Knife / Cyber Knife
287	Radiation Oncology	Cobalt 60 External Beam Radiotherapy	Radical Treatment
288	Radiation Oncology	Cobalt 60 External Beam Radiotherapy	Palliative Treatment
289	Radiation Oncology	Cobalt 60 External Beam Radiotherapy	Adjuvent Therapy
290	Radiation Oncology	Linear Accelerators	Radical Treatment with Photons (linear accelarator)
291	Radiation Oncology	Linear Accelerators	Palliative Treatment with Photons (linear accelarator)
292	Radiation Oncology	Linear Accelerators	Adjuvant Treatment with Photons/Electrons
293	Radiation Oncology	Brachytherapy-Intracavitary-i	i. LDR per application (Brachytherapy-intracavitary)
294	Radiation Oncology	Brachytherapy-Intracavitary-ii	ii. HDR per application
295	Radiation Oncology	Brachytherapy-Interstitial-i	i. LDR per application

296	Radiation Oncology	Brachytherapy-Interstitial-ii	ii. HDR - one application and multiple dose fractions
297	Surgical Oncology	Esophagus	Hiatus Hernia Repair
298	Surgical Oncology	Ear	Labyrinthectomy
299	Surgical Oncology	Throat	Microlaryngeal Surgery including Phonosurgery
300	Surgical Oncology	Throat	Excision/ Hypopharynx of Tumors in Pharynx
301	Surgical Oncology	Pancreas	Distal Pancreatectomy
302	Surgical Oncology	Pancreas	Enucleation of Cyst
303	Surgical Oncology	Pancreas	Whipples - any type
304	Surgical Oncology	Spleen	Splenectomy
305	Surgical Oncology	Genito Urinary System	Radical Nephrectomy
306	Surgical Oncology	Genito Urinary System	Radical Cystectomy
307	Surgical Oncology	Genito Urinary System	Other cystectomies
308	Surgical Oncology	Genito Urinary System	High Orchidectomy
309	Surgical Oncology	Genito Urinary System	Bilateral Orchidectomy
310	Surgical Oncology	Genito Urinary System	Emasculation
311	Surgical Oncology	Genito Urinary System	Total Penectomy
312	Surgical Oncology	Genito Urinary System	Inguinal Block Dissection-one side
313	Surgical Oncology	Genito Urinary System	Radical Prostatectomy
314	Surgical Oncology	Genito Urinary System	Partial Penectomy
315	Surgical Oncology	Gynaec	Radical Hysterectomy
316	Surgical Oncology	Gynaec	Surgery for Ca Ovary - early stage
317	Surgical Oncology	Gynaec	Surgery for Ca Ovary - advance stage
318	Surgical Oncology	Gynaec	Vulvectomy
319	Surgical Oncology	Breast	Mastectomy - any type
320	Surgical Oncology	Breast	Axillary Dissection
321	Surgical Oncology	Breast	Wide excision
322	Surgical Oncology	Breast	Wide excision + Reconstruction
323	Surgical Oncology	Lung Cancer	Pneumonectomy
324	Surgical Oncology	Lung Cancer	Lobectomy
325	Surgical	Lung Cancer	Decortication

	Oncology		
326	Surgical Oncology	Lung Cancer	Surgical Correction of Bronchopleural Fistula.
327	Surgical Oncology	Head & Neck	Resection of Nasopharyngeal Tumor
328	Surgical Oncology	Head & Neck	Lateral Temporal bone resection
329	Surgical Oncology	Head & Neck	Subtotal Temporal bone resection
330	Surgical Oncology	Head & Neck	Total Temporal bone resection
331	Surgical Oncology	Head & Neck	Composite Resection & Reconstruction
332	Surgical Oncology	Head & Neck	Neck Dissection - any type
333	Surgical Oncology	Head & Neck	Hemiglossectomy
334	Surgical Oncology	Head & Neck	Maxillectomy - any type
335	Surgical Oncology	Head & Neck	Thyroidectomy - any type
336	Surgical Oncology	Head & Neck	Parotidectomy - any type
337	Surgical Oncology	Head & Neck	Laryngectomy - any type
338	Surgical Oncology	Head & Neck	Laryngopharyngo Oesophagectomy
339	Surgical Oncology	Head & Neck	Hemimandibulectomy
340	Surgical Oncology	Head & Neck	Wide excision
341	Surgical Oncology	Ca. Salivary Gland	Submandibular Gland Excision
342	Surgical Oncology	Ca. Trachea	Tracheal Resection
343	Surgical Oncology	Ca. Trachea	Sternotomy + Superior Mediastinal Dissection
344	Surgical Oncology	Ca. Parathyroid	Parathyroidectomy
345	Surgical Oncology	Ca. Gastro Intestinal Tract	Small bowel resection
346	Surgical Oncology	Ca. Gastro Intestinal Tract	Closure of Ileostomy/ Colostomy
347	Surgical Oncology	Ca. Rectum	Abdomino Perineal Resection (APR) + Sacrectomy
348	Surgical Oncology	Ca. Gall Bladder	Radical Cholecystectomy
349	Surgical Oncology	Spleen	Radical Splenectomy
350	Surgical Oncology	Gastro Intestinal System	Resection of Retroperitoneal Tumors
351	Surgical Oncology	Gastro Intestinal System	Abdominal wall tumor Resection
352	Surgical Oncology	Gastro Intestinal System	Resection with reconstruction
353	Surgical Oncology	Urinary Bladder	Bilateral pelvic lymph Node Dissection(BPLND)
354	Surgical Oncology	Gastro Intestinal System	Oesophagectomy - any type

355	Surgical Oncology	Gastro Intestinal System	Gastrectomy - any type
356	Surgical Oncology	Gastro Intestinal System	Colectomy - any type
357	Surgical Oncology	Gastro Intestinal System	Anterior Resection
358	Surgical Oncology	Gastro Intestinal System	Abdominoperineal Resection
359	Surgical Oncology	Gastro Intestinal System	Triple Bypass
360	Surgical Oncology	Gastro Intestinal System	Other Bypasses-Pancreas
361	Surgical Oncology	Gynaec	Radical Trachelectomy
362	Surgical Oncology	Gynaec	Radical vaginectomy
363	Surgical Oncology	Gynaec	Radical vaginectomy + Reconstruction
364	Surgical Oncology	Gynaec-Ca.Cervix	Radical Hysterectomy +Bilateral Pelvic Lymph Node Dissection (BPLND) + Bilateral Salpingo Oophorectomy (BSO) / Ovarian transposition
365	Surgical Oncology	Gynaec-Ca.Cervix	Anterior Exenteration (Gynaec)
366	Surgical Oncology	Gynaec-Ca.Cervix	Posterior Exenteration (Gynaec)
367	Surgical Oncology	Gynaec-Ca.Cervix	Total Pelvic Exenteration
368	Surgical Oncology	Chest	Chest wall resection for SOFT tissue bone tumors
369	Surgical Oncology	Chest	Chest wall resection + Reconstruction
370	Surgical Oncology	Bone / soft tissue tumors	Limb salvage surgery for Bone Tumors with modular Prosthesis
371	Surgical Oncology	Bone / soft tissue tumors	Forequarter amputation
372	Surgical Oncology	Bone / soft tissue tumors	Hemipelvectomy
373	Surgical Oncology	Bone / soft tissue tumors	Bone resection
374	Surgical Oncology	Renal Cell Cancer	Partial Nephrectomy
375	Surgical Oncology	Renal Cell Cancer	Nephroureterectomy for Transitional Cell Carcinoma of renal pelvis (one side)
376	Surgical Oncology	Testes cancer	Retro Peritoneal Lymph Node Dissection(RPLND) (for Residual Disease)
377	Surgical Oncology	Tumours	Adrenalectomy
378	Surgical Oncology	Testes cancer	Urinary diversion
379	Surgical Oncology	Testes cancer	Retro Peritoneal Lymph Node Dissection RPLND as part of staging
380	Surgical Oncology	Ca. Urinary Bladder	Anterior Exenteration (Urinary Bladder)
381	Surgical Oncology	Ca. Urinary Bladder	Total Exenteration (Urinary Bladder)
382	Surgical Oncology	Ca. Urinary Bladder	Bilateral pelvic lymph Node Dissection(BPLND)
383	Surgical Oncology	Thoracic and Mediastinum	Mediastinal tumor resection
384	Surgical Oncology	Lung	Lung metastatectomy - solitary

	Oncology		
385	Surgical Oncology	Lung	Lung metastatectomy - Multiple
386	Surgical Oncology	Lung	Sleeve resection of Lung cancer.
387	Surgical Oncology	Esophagus	Oesophagectomy with Two field Lymphadenectomy
388	Surgical Oncology	Esophagus	Oesophagectomy with Three field Lymphadenectomy
389	Surgical Oncology	Palliative Surgeries	Tracheostomy
390	Surgical Oncology	Palliative Surgeries	Gastrostomy
391	Surgical Oncology	Palliative Surgeries	Jejunostomy
392	Surgical Oncology	Palliative Surgeries	Ileostomy
393	Surgical Oncology	Palliative Surgeries	Colostomy
394	Surgical Oncology	Palliative Surgeries	Suprapubic Cystostomy
395	Surgical Oncology	Palliative Surgeries	Gastro Jejunostomy
396	Surgical Oncology	Palliative Surgeries	Ileotransverse Colostomy
397	Surgical Oncology	Palliative Surgeries	Substernal bypass
398	Surgical Oncology	Reconstruction	Myocutaneous / cutaneous flap
399	Surgical Oncology	Reconstruction	Micro vascular reconstruction
400	Surgical Oncology	Soft Tissue and Bone Tumors	Wide excision - for soft tissue and bone tumors
401	Surgical Oncology	Soft Tissue and Bone Tumors	Wide excision + Reconstruction for soft tissue and bone tumors
402	Surgical Oncology	Soft Tissue and Bone Tumors	Amputation for bone / soft tissue tumours (Major / Minor)