

---

# Subject Index

**Abbreviations**

AP anteroposterior  
 AVN atrioventricular node  
 Cx circumflex artery  
 D1 first diagonal branch  
 D2 second diagonal branch  
 LA left atrium  
 LAD left anterior artery  
 LAO left anterior oblique  
 LCA left coronary artery  
 LCS left coronary sinus  
 LPS left pulmonary sinus  
 LSP left superior process  
 LMB left main branch  
 NCS noncoronary sinus  
 OMB obtuse marginal branches  
 PDA posterior descending artery  
 RA right atrium  
 RAO right anterior oblique  
 RCA right coronary artery  
 RCS right coronary sinus  
 RPS right pulmonary sinus  
 SN sinoatrial node  
 SNA sinoatrial node artery

**A**

## abdominal

- aorta 491, 493, 496, 500, 505, 511, 512  
 - aortic segment 505  
 - cavity 88, 90, 510  
 - external oblique muscle 8, 9

abductor pollicis longus 135

## accessory

- azygos vein 22, 462, 504  
 - hemi-azygos vein 482, 484, 490  
 - hepatic artery 497  
 - intercostal muscle 38  
 - nerve 33

acromioclavicular joint 2

acromion 33

adventitial branch 170

Allen test 140

angulus Ludovici 86

annulopapillary continuity 290

annulus fibrosus 174, 191, 323, 343, 349, 449

- intervalvular part 304

antecubital fossa 146

## anterior

- annulus 304

- arch 449

- axillary line 66, 74, 235

- cardiac vein 186, 208, 222, 238

- commissure 292, 293, 323

- conus branch 195

- descending branch 233, 415, 417, 421

- inferior part 418

- superior part 416

- descending coronary artery 408

- descending groove 290

- fascicle 424

- inferior iliac spine 155

- intercostal artery 123, 131

- intercostal branch 120

- intercostal membrane 24, 28

- intervalvular triangle 166, 257

- interventricular branch 178, 290

- interventricular groove 222, 421

- interventricular sulcus 162, 184, 199, 232

- jugular vein 42

- leaflet 302, 303, 304, 325, 384, 401, 402

- annulus 294

- appositional portion 319

- attachment 304, 319

- hinge region 318

- intervalvular part 306

- nonappositional portion 318

- median sulcus 42

- mitral valve 253

- papillary muscle 290, 291, 324, 343, 376, 380, 384, 396, 452, 453

- apex 292

- periosteal lamina 70

- septal infarction 421

- sulcus 206

- thoracotomy 284

- right-sided 284

## anterolateral

- commissure 255, 310, 343, 344, 452

- chest wall 6, 290

- leaflet 388, 389

- septal part 389

- thoracic region 75

- thoracotomy 229, 333, 352

- vein 199

antrum 151

aorta 91, 117, 174, 220, 480

- bulb 460

- retroperitoneal part 505

- supraceliac part 456

- thoracoabdominal segment 504

## aortic

- arch 20, 80, 82, 92, 110, 268, 277, 278, 329, 330, 456, 461, 466, 467, 468, 507

- supernumerary branches 468

- hiatus 92, 456, 487, 491, 493, 494, 500

- isthmus 80, 462, 463, 475

- leaflet 264

- ventricular part 264

- recess 469, 471

- anterior part 470

- root 162, 165, 166, 168, 170, 172, 173, 184, 188, 246, 247, 268, 281, 348, 423, 459

- anterior commissure 249, 258

- attachment 250

- fibrous skeleton 250, 257

- left-rotated 257, 258

- posterior fibrous trigone 304

- right-rotated 257

- wall 170

- spindle 463

- trunk 371

- valve 168

- valve leaflet 166

- wall annuli 168

aorticorenal ganglion 492

aortomitral unit 263

apex of the heart 168

- apical area 408  
arteria lusoria dextra 468  
arterial mesocardium 277  
arteriovenous collateral 204  
artery of Adamkiewicz 479  
ascending aorta 20, 47, 203, 221, 235, 268, 269, 273, 274, 286, 301, 321, 327, 337, 345, 348, 350, 353, 355, 456, 459, 460, 466, 468, 469  
– aneurysm 220, 276  
– elongated 281  
– tubular part 247  
atlas 35  
atrial  
– appendage 178, 428  
– branch 182  
– interatrial sulcus 257  
– septal wall 199  
– septum 410  
– superior transseptal incision 341  
– wall 236  
atrioventricular  
– artery 437  
– block 445  
– bundle 409, 424  
– membrane 315  
– node 251, 260, 294, 440  
– artery 193, 265  
axillary  
– artery 10, 12  
– fascia 6  
– vein 12  
– vessel 10, 14  
axis 35  
azygos vein 478, 489, 495
- B**  
bicarotic trunk 467  
bicaroticosubclavian trunk 467  
biceps  
– brachii muscle 14  
– muscle 13  
– tendon 142  
bifurcation 92  
bony skeleton 2  
brachial  
– artery 135, 140, 144  
– plexus 10, 12, 18  
– region 10  
brachiocephalic  
– artery 457, 461, 469  
– branch 469, 484  
– trunk 20, 110, 277, 467, 468, 472  
– vein 16, 20, 47, 134, 220  
brachioradialis 135, 136, 142, 143, 146  
bronchial artery 464, 480, 481  
bundle of His 193, 246, 251, 260, 265, 390, 410, 441, 442, 445, 451  
– branching part 451, 453  
– penetrating part 451
- C**  
cardiac vein 199, 422  
carpus 137  
celiac  
– ganglion 491, 500  
– plexus 492  
– trunk 491, 492, 495, 496, 500, 511  
celiacomesentericus 497  
central tendon 239, 240  
cephalic vein 8, 10, 13, 143  
cervical fascia 14  
chordae tendinae 290, 292, 293, 298, 299, 324  
– muscularization 300  
circumflex branch 162, 311  
classification of Carpentier 302  
clavicle 2, 6, 8, 33  
colon 506  
commissural  
– area 305  
– curtain 292  
– leaflet 297  
– zone 252, 292, 299, 300, 306, 309, 319, 324, 343, 349  
common carotid artery 110  
conal ligament 188  
conoid ligament 13  
conus  
– artery 168–170, 191, 195, 204  
– branch 169, 171, 178  
– vein 208  
coracobrachialis 13  
coracoclavicular fascia 7  
coronary  
– angiogram 210, 415, 416, 431, 433, 439  
– artery 162, 165, 173, 205  
– blood supply 197  
– bypass graft 110  
– fossa 191, 195, 205, 206, 460  
– groove 162  
– ostium 162, 165, 166, 246  
– perfusion 170  
– sinus 107, 162, 163, 173, 195, 199, 204, 206, 208, 237, 249, 270, 339  
– leaflet 339  
– opening 400, 442  
– ostium 340, 354, 400  
– wall 264  
– sulcus 208, 222  
– vein 205, 229  
costocervical trunk 18, 113  
costoclavicular ligament 13  
costotransverse process articulation 81  
cremasteric artery 153  
crista terminalis 394  
crux 192, 194, 197  
cubital fossa 135
- D**  
deep  
– inguinal ring 153  
– intercostal muscle 28  
– palmar arch 135  
– thoracic region 6  
– volar branch 135  
deltoid muscle 6, 8, 34  
deltoideopectoral  
– sulcus 6, 8, 13  
– triangle 8  
dermatome 3  
descending aorta 461, 464, 466, 475, 478, 482, 486, 509

diagonal  
 – artery 227  
 – branch 168, 176, 184, 185, 187, 233  
 diaphragm 2, 90–92, 107, 119, 129, 239, 240, 456, 480, 487, 492, 505  
 – aortic hiatus 489  
 – crura 493  
 – cupule 203  
 – left cupola 81  
 diaphragmal surface 180  
 – of the heart 180  
 – of the left ventricle 180, 184  
 distal aortic arch 507  
 double ostium 271  
 ductus  
 – arteriosus 463  
 – deferens 153  
 duodenum 147, 148, 150, 151

**E**

Eisenmenger's syndrome 200  
 endothoracic fascia 28, 29, 112, 130  
 epigastrum 150  
 esophageal  
 – artery 480  
 – hiatus 480  
 esophagogram 468  
 esophagus 22, 91, 463, 468, 476, 478, 480, 483, 487, 499, 500, 508, 510  
 Eustachian valve 347  
 external  
 – fascia 59  
 – iliac artery 153  
 – intercostal muscle 24, 27, 68  
 – jugular vein 16  
 – oblique abdominal muscle 27, 29  
 – oblique muscle 36, 87  
 – occipital protuberance 33  
 – pubic artery 157  
 – spermatic artery 157  
 extra-anatomic bypass 501

**F**

falciform ligament 107, 150, 240  
 fascia 6  
 femoral artery 153, 156  
 fibrous  
 – extensions 309  
 – skeleton 250  
 – of the aortic root 250  
 – of the heart 250  
 – tissue 252  
 – trigone 166, 168, 184, 206, 251, 252, 254, 292–295, 304, 309, 312, 313, 316, 328, 343, 412, 440  
 fila of Henle 256, 309, 315  
 flexor carpi radialis 136, 142, 143  
 foramina venarum minimarum 199  
 fundus of stomach 90

**G**

gallbladder 150  
 gastric  
 – artery 497, 500  
 – plexus 499

gastroduodenal artery 147, 151  
 gastroepiploic  
 – artery 148, 149  
 – branch 147  
 gastrosplenic  
 – ligament 148  
 – trunk 497  
 great cardiac vein 199, 205–207, 229, 263  
 greater curvature 148–150  
 – of the stomach 151

**H**

heart conducting system 253, 445  
 hemi-azygos vein 200, 478, 485, 489  
 hepatic artery 499  
 hepatogastric ligament 499  
 hilum 226  
 His bundle, see bundle of His  
 humerus 8, 10  
 hyoid bone 18

**I**

iliac artery 506  
 iliohypogastric nerve 157  
 inferior  
 – cervical ganglion 22  
 – epigastric artery 153, 155, 157  
 – median laparotomy 156  
 – papillary muscle 387, 389  
 – phrenic artery 119  
 – pulmonary vein 208  
 – T sternotomy 377, 398  
 – thyroid artery 114, 480  
 – vena cava 107, 268, 285, 322, 327, 337, 347, 353, 512  
 – opening 400  
 – valve 400  
 inframammary region 66  
 infraspinal fascia 33  
 infraspinatus 34  
 infundibulum 162, 167, 168, 172, 178, 191, 196, 222, 286, 358, 359, 361, 362, 367, 372, 375, 457  
 – anterior wall 365, 380  
 – deep-positioned 367  
 – depressed 367, 368  
 – elevated 370  
 – lateral wall 369  
 – left lateral wall 363, 367  
 – low-positioned 367  
 – musculature 360, 361  
 – posterior wall 258, 266, 364, 369, 375, 380, 384, 385  
 – right lateral wall 268, 363  
 inguinal  
 – canal 153  
 – ligament 153, 156  
 interatrial  
 – band 182  
 – bundle 438  
 – groove 322  
 – septum 254, 337, 340, 342, 351, 394, 400, 431, 433, 434, 437, 443  
 – anterior edge-line 254  
 – inferior border 260  
 – inferior limb 347  
 – sulcus 257, 322, 328, 331, 334

- intercostal
    - artery 18, 465, 512
    - muscle 54, 87, 89
    - nerve 7
  - intercostalis suprema 18
  - intercostobrachial nerve 8
  - internal
    - intercostal muscle 24, 27, 100, 101
    - jugular vein 14, 16
    - mammary artery 121
    - oblique abdominal muscle 29
    - thoracic artery 7, 12, 29, 46, 54, 81, 106, 110, 112, 114, 118, 120, 130
    - thoracic vein 131
    - thoracic vessel 59, 101
  - interosseous artery 140
  - intervalvular
    - attachment 310
    - segment 306, 307, 310
    - triangle 164, 246, 248, 253, 309
    - trigone 252, 253
  - interventricular
    - groove 168, 208
    - septum 163, 164, 169, 197, 290, 385, 391, 408, 409, 411, 423, 444, 448
      - blood supply 413, 415
      - membranous part 306, 307, 408, 451
      - muscular part 445
      - musculature 413
      - venous drainage from the superior part 201
    - sulcus 167, 408
  - intrajugular
    - ligament 45, 49, 62
    - vein 45, 46
  - inverse T sternotomy 281
  - isthmus 463, 475
- J**
- J sternal incision 273
  - J sternotomy 326, 329, 345, 350
    - minimally invasive 276
  - jugular
    - notch 18, 45, 47, 49
    - vein 18
    - venous arch 18
  - junctional
    - attachment 308
    - zone 306–308
      - of the anterior leaflet annulus 313
- K**
- kidney 506
  - Koch's triangle 260, 351, 354, 441, 442
- L**
- Lancisi muscle 375
  - laparotomy 85, 105
  - laryngeal nerve 508
  - lateral
    - antebrachial cutaneous nerve 143
    - chest wall 77
    - papillary muscle 169
    - thoracic artery 18, 121
    - thoracic fascia 6, 9
      - umbilical fold 154
  - latissimus dorsi 13, 33, 34, 38, 67, 76, 80
  - left
    - anterior descending branch 162
    - anterior thoracotomy 227, 231
    - atrium 173, 183, 305
      - oblique vein 200, 208
      - roof 200
    - common carotid artery 20
    - conus artery 188
    - coronary artery
      - main stem 272
      - great cardiac vein 201
    - coronary ligament 107
    - coronary root 168
    - coronary sinus 162, 171, 177, 296
      - aneurysm 256, 258
    - liver lobe 240
    - lung 82
      - main branch 162
      - main bronchus 465
      - ostial process 255, 256, 262
      - ostium, highly positioned 279
      - proper hepatic artery 147
      - rectus abdominis 90
      - sinus 177
      - subclavian artery 20
        - thoracic part 22
      - superior process 440
      - ventricle 168, 187, 222
        - diaphragmal part 192
        - diaphragmal surface 228
        - inflow and outflow tract 291, 319
        - lateral aspects 227, 230
        - lateral musculature 298
        - opening 305
        - outflow tract 246
        - posterior superior process 440
        - posterior wall 293
        - posterolateral wall 291
      - ventricular musculature 305
      - Vieussens' artery 188
    - levator scapulae 35
    - ligamentum
      - arteriosum 463, 464, 474, 484, 485
      - nuchae 33, 39
    - linea
      - alba 42, 46, 52, 55, 85, 90, 102, 150, 157
      - arcuata 157
    - liver 105, 150, 239, 240
    - long thoracic nerve 10
    - lumbodorsal fascia 35
    - lung 80, 96, 226
      - hilum 226
    - lunula 261, 359, 360
      - coaptation 275
    - lymph gland 492

**M**

    - manubrium 63
    - marginal
      - area 180
      - artery 192, 198, 224, 230
      - branch 178, 182, 192, 193, 230, 435

- vein 107, 203, 224, 238
- medial
  - anterior thoracic nerve 12
  - axillary line 121
  - circumflex femoral artery 153
  - profundocircumflex trunk 153
  - sternotomy 421
- median
  - cardiac vein 241
  - laparotomy 85, 156
  - neck fascia 18
  - nerve 144
  - sternotomy 220, 268, 392, 468
- mediastinal
  - branch 120, 125, 129
  - lymph node 120
  - pleura 116
- membrane 250
- membranous septum 163, 184, 316, 390, 391, 409, 411, 412, 440, 442, 444, 445, 447, 451, 453
- metacarpal bone 135
- mid-clavicular line 66
- middle cardiac vein 223, 228
- middle colic artery 149
- minithoracotomy 336
  - limited-access 336
- mitral
  - leaflet 292
    - annulus 293
    - commissural parts 298
  - valve 164, 255, 263, 290, 291, 301, 303, 305, 307, 323, 349, 445
    - annulus 292, 293, 295, 449
    - anterior leaflet 164, 168, 247, 254, 263
    - appositional zone 300
    - atrial surface of the anterior leaflet 264
    - attachment 263, 302, 306, 312, 444
    - implantation 168
    - leaflet 290, 298, 314
    - left lateral annulus 296
    - mural leaflet 292
    - opening 305
    - ostium 294
    - papillary muscles 423
    - posterior leaflet 299
    - ring annuloplasty 449
    - ventricular layer 264
  - wall 201
    - annulus 168
- moderator band 365, 384–386, 410, 453
- Mohrenheim's space 8
- muscular septum 265, 291, 408, 411, 424
  - blood supply 415
  - infundibular part 410
- musculophrenic
  - artery 119
  - branch 121
- myocardial
  - bridge 182, 184
  - infarction 421
- N**
- natural cardiac pacemaker 437
- nipple 6, 66, 75, 95
- nodulus Aranti 261
- nonappositional leaflet 319
- noncoronary sinus 162, 163, 165, 168, 172, 246, 254, 274, 275, 287, 308, 310, 320
  - aneurysm 260
  - annulus 294
  - attachment 294
- O**
- obturator artery 153
- obtuse
  - margin 179, 181, 200, 203, 206, 208, 224
  - marginal branch 178
  - marginal vein 202
- occipital protuberance 33
- omentum 105
- omoclavicular triangle 110
- omohyoid muscle 14, 16, 35
- orientation line 3
- osseoponeurotic opening 480, 495
- ossification center 119
- ostial
  - attachment 309
  - process 296
  - zone 304, 306
- ostium
  - of the conus branch 271
  - of the coronary sinus 183, 354, 394
  - of the left coronary artery 272
  - of the left ventricle 250, 251, 293, 302, 313
  - of the mitral valve 332
- oval fossa 340, 341, 350, 394, 400, 441
  - anterior limb 395
  - inferior edge 347
  - inferior limb 341, 353, 400, 441
  - limb 350
  - superior anterior area 394
  - superior limb 395
- P**
- palm 141
- pancreas 147, 148, 496, 511
- papillary
  - annular integrity 298
  - muscle 290, 293, 295, 299
    - apex 298
- parasternal line 66, 68, 85, 90
- paravertebral muscle 88
- parietal
  - band 364, 384, 385, 389, 452
  - pleura 47, 111, 130
- patent arterial duct 80
- pectoralis
  - fascia 6, 53, 63
  - major 6, 8, 10, 14, 28, 53, 58, 62, 67, 76, 96, 103
  - minor 7, 10, 14
- perforating
  - artery 123, 126
  - branch 121, 122, 124
- pericardiophrenic artery 133
- pericardial
  - incision 226
  - recess 470
- pericardiophrenic
  - artery 333, 481

- branch 119
  - vein 333
  - pericardium 47, 70, 71, 73, 117
    - arterial mesoderm 472
    - inferior right recess 327
    - venous mesoderm 472
  - peritoneum 92
  - phrenic nerve 18, 110, 119, 134, 226, 231, 236, 333, 334, 336, 457, 462, 465, 483, 504
  - phrenicopericardial angle 284
  - platysma 14
  - pleura 16, 80, 96
  - pleural cupule 110, 134
  - posterior
    - atrial branch 182
    - cardiac vein 202, 203, 422
    - commissural zone 309, 332
    - commissure 320, 323
    - conal branch 188
    - descending branch 228, 241, 291, 417, 421
    - descending coronary artery 408
    - descending sulcus 223
    - fascicle 424
    - infundibular wall 367, 369
    - infundibulum 386
    - interatrial septum 338
    - interatrial sulcus 322, 327
    - intercostal membrane 24
    - intervalvular triangle 172, 251, 254, 296, 312-314, 390
    - interventricular artery 192, 290
    - interventricular groove 168, 181, 202, 207, 422
    - interventricular sulcus 196, 197, 223, 291
    - leaflet 297, 299, 305, 325, 401, 402
      - annulus 305
      - attachment 311
    - mediastinum 82
    - papillary muscle 290, 292, 300, 320, 389, 395, 452
    - pulmonary sinus 358, 364, 385
    - septal artery 447
    - superior process 193
    - ventricular branch 447
  - posterolateral
    - branch 187
    - commissure 295, 310, 325
    - descending artery 181
    - leaflet 388, 389, 395
    - papillary muscle 344
    - vein 207, 224
    - wall 290
  - postinfarction
    - septal wall rupture 421
    - ventricular septal defect 421
  - presternal
    - fascia 6
    - region 42, 49
  - preventricular
    - artery 169
    - branch 191
  - primary septum defect 184
  - profunda
    - brachii 136
    - cervicalis 18
  - pronator
    - quadratus 136, 137
    - teres 135
  - proper hepatic artery 492
  - prosthesis implantation 449
  - pubic branch 153
  - pulmonary
    - artery 229, 268, 269, 372, 373, 457, 460, 465, 475
      - bifurcation 372, 377, 378
    - branch 195
    - bulb 459
    - hilus 462
    - infundibulum 414
    - leaflet 360, 374, 379
    - recess 469
    - root 162, 167-169, 172, 177, 184, 188, 220, 221, 249, 257, 336, 358, 360, 362, 373, 374, 459, 460, 469
      - anterior commissure 249
      - posterior commissure 258
    - sinus 191, 359
    - stenosis 167
    - trunk 47, 162, 167, 175, 184, 203, 226, 232, 255, 321, 330, 346, 349, 363, 365, 371, 377, 378, 457, 460, 465, 470
    - valve 374, 375, 377
      - bifurcation 378
      - valvular stenosis 378
    - vein 224, 328, 472
  - pyloric branch 149
  - pylorus 148, 150
- R**
- radial
    - artery 135, 136, 140, 141, 145
    - neck 140
    - nerve 136
    - styloid 142, 145
  - radial-artery harvesting 146
  - radicular artery 479
  - rectal abdominal muscle 24
  - rectus
    - abdominis 29, 31, 46, 55, 67, 100, 106, 154, 157
    - sheath 6, 86, 88, 103, 132, 155, 157
  - recurrent
    - laryngeal nerve 508
    - nerve 20, 22, 463, 484, 486
    - radial artery 136
  - renal
    - artery 511
    - plexus 492
  - rete sternale, see also sternum 6
  - retropulmonary segment 162, 184
  - retrosternal
    - lymphoid gland 112
    - space 47
  - rhomboideus 34
  - right
    - atrium 107, 174, 192, 203, 236, 237, 388
    - coronary artery
      - opening 271
      - posterior part 436
    - coronary ostium 271
    - coronary sinus 162, 168, 169, 171, 257, 274, 306
    - dominance 198
    - gastroepiploic branch 147
    - intervalvular triangle 306
    - marginal area 238

- marginal branch 242
- marginal vein 204
- pulmonary sinus 359
- sinus 174
- ventricle 168, 169, 222
  - anterior wall 385
  - anterolateral wall 259
  - inflow and outflow tract 366, 385
  - outflow part 191
  - outflow segments 363
  - posterolateral wall 390
  - sinus part 387
- Ross procedure 189, 190, 360, 367, 414

## S

- scaleni 14
- scaleno-tracheal fossa 110
- scalenus
  - anterior 16, 110
  - medius 18
- scapula 8, 33, 35, 74, 84
  - coracoid process 10
  - transverse ligament 35
- scrotum 153
- segmental lumbar branch 512
- septal
  - artery 169, 170, 177, 413–415
  - band 364, 375, 376, 453
    - superior part 376
  - leaflet 388, 389, 401, 402
    - anterior arch 449
    - anterior commissure 442, 449
    - anterior part 388
    - attachment 260, 390, 391, 441
    - muscular part 388
    - posterior part 395
  - perforating branch 184
  - sulcus 337
  - wall 290
- septomarginal trabecula 291
- septum
  - apical part 423
  - basal part 424
  - blood supply 408
  - infundibular part 410
  - membranous part 388, 408, 451
  - muscular part 409, 410
  - musculature 413, 414
  - posterobasal part 421
  - wall, anterior part 408
- serratus 35
  - anterior 8, 10, 31, 37, 76
    - fascia 6
  - lateralis 35
- single coronary artery 196
- sinoatrial node 339, 346, 392, 428
  - artery 170, 428, 431
    - type A 431
    - type B 432
    - type C 434
    - type D 435
    - type E 436
    - type F 437, 438
- sinotubular junction 164, 165, 167, 247, 262, 278, 313, 359, 378
- sinus 174
  - of Valsalva 162, 165, 246
  - venosus 428
  - wall 165
- small
  - anterior vein 203
  - cardiac vein 204, 208
  - venous branch 205
- spinal column 74, 84, 88, 102, 464
- splanchnic nerve 465, 478, 492
- spleen 506
- splenic
  - artery 147, 148, 493
  - vein 496
- sternal
  - artery 123, 124, 126
  - blood supply 124
  - branch 119, 122, 125, 126
  - incision 47
  - line 235
  - notch 49
  - ossification zone 124
  - perforating 131
  - periosteum 45
- sternoclavicular
  - articulation 18, 110
  - joint 45
  - junction 16
- sternocleidomastoid muscle 14, 16, 45
- sternocostal
  - angle 46, 106
  - joint 7, 134
  - junction 12, 49, 57, 68
  - recess 121
  - triangle 121
- sternohyoid muscle 14, 117, 133
- sternopericardial ligament 47
- sternothyroid muscle 117, 133
- sternotomy 42, 118, 220
  - superior partial T sternotomy 49, 51
- sternum 6, 8, 24, 42, 47, 49, 51, 103, 117, 119
- stomach 148, 149, 150, 500
  - fundus 90
- styloid process 135, 140
- subclavian
  - artery 12, 13, 16, 110, 132, 463, 483, 507
    - costocervical trunk 478
  - vein 13, 16, 129, 132–134
- subclavius 14
- subiculum cordis 46
- subscapular area 33
- subvalvular
  - apparatus 324, 344
  - membrane 252, 253, 294, 296, 302, 303, 305, 309, 312–315, 415
  - valve 290
- superdominant left blood supply 197
- superficial
  - dorsal fascia 32
  - fascia 6
    - of the neck 6
  - jugular vein 16
  - neck fascia 18
  - palmar arch 140, 141



- radial nerve 145
  - thoracic region 3
  - volar carpal branch 137
  - superior
    - epigastric artery 88, 118, 121, 155
    - epigastric vein 154
    - laparotomy 105
    - lobe 100
    - median laparotomy 239
    - mediastinum 20, 457
    - mesenteric artery 147, 492, 495, 497, 511
    - papillary muscle 259, 364, 366, 376, 384
    - septal artery 367
    - transseptal approach 352, 439
    - vena cava 20, 134, 203, 221, 235–237, 268, 269, 274, 285, 322, 327, 328, 330, 334, 337, 345, 353, 428, 433, 434
  - supinator 136
  - supraceliac aorta 498, 500
  - supraclavicular
    - nerve 8
    - triangle 14
  - suprajugular
    - notch 18
    - space 18
  - suprarenal gland 492
  - suprascapular artery 35, 113, 114
  - supraspinal ligament 39
  - suprasternal notch 42
  - sympathetic
    - chain 81
    - plexus 492
    - trunk 465, 478
- T**
- tendon of the flexor carpi radialis 142
  - teres major 13, 34
  - terminal sulcus 339, 346, 350, 353, 393, 399, 433
  - tetralogy of Fallot 167, 191, 200, 373
  - Thebesian
    - valve 247
    - vein 199, 200
  - thoracic
    - aorta 80, 82, 456, 475, 477, 482, 487, 488, 510
    - cavity 91
    - duct 22, 478, 480, 490, 495
    - ganglia 465
    - incision 68
    - region 2
    - space 88
    - vertebra 2, 110
    - vessel 59
  - thoracoabdominal
    - aneurysm 504
    - aorta 92
  - thoracoacromial artery 8
  - thoracodorsal artery 10
  - thoracoepigastric vein 12, 67
  - thoracolumbar fascia 32
  - thoracotomy 66, 88, 227
  - thorax 2, 89, 117
    - ventral regions 3
    - wall 2, 6
  - thumb 137
  - thymic branch 116, 132
  - thymus 116
    - gland 117
    - remnant 20
    - triangle 116
    - vein 20, 47, 117
  - thyrocervical trunk 113
  - thyroid gland 18, 117
  - trachea 22, 117, 463, 508
    - anterior wall 463
  - transdiaphragmatic approach 239
  - transverse
    - abdominal muscle 29
    - cervical artery 113, 114
    - fascia 157
    - pericardial sinus 277, 459, 460, 472
    - sinus 472
  - transversus thoracis 29, 100, 111, 112, 130
  - trapezius 33, 34
  - Trendelenburg position 223
  - tricuspid
    - leaflet 315, 339, 365, 386
      - anterior leaflet 384
    - valve 162, 168, 174, 184, 191, 192, 340, 386, 388, 394, 397, 400, 408, 440
      - annulus fibrosus 191, 452
      - anterolateral commissure 259
      - anterolateral leaflet 191, 396
      - anterolateral segment 389
      - attachment 443
      - leaflet 388
      - posterolateral leaflet 396
      - posterolateral segment 389
      - replacement surgery 390
      - septal leaflet 390, 415, 441, 443
      - subvalvular apparatus 375, 380
- U**
- ulnar artery 135–137, 141, 144
  - umbilicus 102
  - upper mediastinum 460
  - ureter 506
  - uterus 153
    - round ligament 153
- V**
- vagal nerve 20, 462, 463, 480, 483–485, 504
  - valve of Thebesius 207
  - vena cava 240
  - venous angiogram 204
  - ventricular
    - musculature 252
    - ostium 208, 146, 250, 312, 358
    - outflow tract 167
    - septum 375, 384
      - defect 375, 380
  - vertebral
    - artery 113, 468
    - column 24
  - Vieussens'
    - anastomosis 189
    - ring 195
    - valve 208

visceral artery 92  
volar carpal branch 136  
volaris indicis radialis 140

**X**

xiphoid  
– branch 118  
– process 2, 28, 31, 42, 46, 55, 102