

## CT protocols (2018 更新)

Abdomen	
Non-specific abdominal pain / bowel obstruction / IAI / appendicitis / diverticulitis	C whole (除臨床要求一律不喝藥)
BTI / pancreatitis / gall stone	S upper + C whole
Ischemic bowel or GI bleeding	Ischemic bowel
SMA syndrome	A + MIP sag
CT enterography	No OPD (見附件)
Colon cancer (fresh or follow up)	C whole (一律不喝藥)
Gastric tumor (fresh) # Precontrast + dynamic / + NPO + 喝水 + buscopan	stomach study
Gastric tumor (follow up or post any treatment)	C whole (不喝水or 藥)
GIST (fresh) # Precontrast + dynamic	GIST study
GIST (follow up), 不需要做S	A phase + V phase
Liver tumor (HCC, cholangioCA, metastasis...), jaundice	Liver D + survey + Delay
Pancreatic tumor (fresh)	Pancreas D + survey (不開小FOV, 但A = 3mm)
Pancreatic tumor (follow up)	C whole
Renal tumor (fresh)	Kidney D + CTU
Renal tumor (follow up)	Kidney D (no CTU)
Adrenal tumor (fresh or follow up)	Kidney D
Hypertension for renal artery and ADR survey	Kidney D
UC 已確診 / unknown hematuria / APN	S+C CTU
Urolithiasis	S CTU
GYN lesion / pelvic mass / prostate lesion / retroperitoneal lesion (必要時check S是否有包到lesion)	Fresh = 漲尿+S low + C F/U = 漲尿+ C
GYN anomaly / GYN lesion / rectal CA / pelvic fistula	+ sag 重組
Transplantation	Liver / renal / pancreas donor / recipient
Trauma / bleeding	

Whole body trauma injury	Trauma
Renal infarction / aneurysm / trauma	renal transplant
Ischemic bowel or GI bleeding	Ischemic bowel
Chest bleeding (e.g., Hemoptysis, esophageal bleeding, aorto-esophageal fistula <b>not associated with TAA, aortic dissection</b> , etc.)	S+A chest or S+A+V chest
<b>Chest / CV</b>	
TAA (dissection, aneurysm) fresh (Recon 5/5)	TAA (S+A+V)
TAA post OP or stenting (Recon 5/5)	TAA (S+A+V), S包stent
AAA fresh (Recon 5/5)	AAA (S+A)
AAA post OP or stenting (Recon 5/5)	AAA (S+A+V), S包stent
SVC syndrome (100mL, 60s, left arm preferred if no contraindication)	Fresh = S lesion + C chest Known SVC = C chest
Pulmonary embolism	PE (CT-PA)
DaVinci heart	TAA
Re-do open heart or non-specified open-heart	C chest
Atrial fibrillation for ablation	CT-PV
Cardiac mass	Room 42, S score (EKG-gated) + C FLASH
AS for transcatheter aortic valve implantation	TAVI
New chest mass (new 指在本院未做過CT者)	S lesion + C lung
F/U lung mass	C lung (S lung if OGS or 臨床要求)
Non-mass lung	C lung + HRCT
Interstitial lung, airway disease	S HRCT
Pectus excavatum	S chest + sag 重組
TE fistula. <b>Oral contrast (300 ml)</b> before being transferred to scan couch (only if possible or tolerable)	C lung + oral contrast + Cor/Sag 重組
Eso CA fresh or post-OP	C chest + 喝水
Lower limb CTA (Recon 3/3)	
Lower limb CTV (120 mL, 3mL/s, 120s, high pitch, kidney upper margin to knee inferior margin, Recon 5/5)	
<b>PED如果不確定作法可call 4563</b>	

Congenital heart, arch anomaly	Room 42, C FLASH
Chest mass, mediastinum mass, chest F/U	C chest, no S
TE fistula, airway anomaly (臨床可能加開3D)	C chest + (3D processing) + sag 重組
OGS fresh F/U	S chest + MIP
IAI, appendicitis, bowel obstruction, infection	C whole, no S
Pelvic mass lesion	Fresh = 漲尿+S low + C F/U = 漲尿+ C
Liver tumor (fresh) and hepatoblastoma F/U	LD + survey
Benign liver tumor F/U (hemangioma, FNH, adenoma..)	LD (不加survey or delay)
Neuroblastoma, Wilm's tumor, adrenal gland lesion	Fresh = kid dynamic (no CTU), F/U = C whole
Congenital anomaly in abdomen	C whole (pelvic anomaly + sag 重組)
Urolithiasis	S CTU
<b>Neuro</b>	
Infarction, hemorrhage, trauma, headache, seizure	S brain
Stroke for IA (如跳過S brain一定要加做S)	IA protocol
Brain aneurysm / other vascular lesion, anomaly	Brain CTA
Brain tumor (除NS 註記再加brain lab), CNS infection	S+C
NPC, tongue, face, larynx, buccal, parotid gland, H&N	S+C (可依開單選部位)
Orbit (check 是否有 hyperthyroidism, 有則S)	S+C orbit
Sella for brain lab (for navigation)	S sella + C lab
Sinusitis / polyp (navigation + lab)	S sinus
Sinus tumor (navigation + lab)	S+C sinus
Carotid artery, VA (C-spine surgery, NS註記)	Neck CTA
HIVD	S spine
Tumor, vascular lesion	S+C spine
Inner ear / petrous bone	HRCT
Dental (cone beam CT)	Cone beam CT (room 8)