

## Glandular Chains of the Lymphatic System

All lymph glands are members of chains of glands which finally deliver their efferents into the Jugular and Sub-Clavian Veins

**FINISH ADDING DRAINAGE AREAS**

### HEAD AND NECK

Efferents from

Glands	Rates		Drainage Areas
Parotid	L 983	R 985	Eyes, face, internal ear
Buccal	L 4527	R	External nose, lips
Submandibular	L 8774	R 8776	Face, floor of mouth
Mastoid	L 535	R 533	Outer ear, cranial surface
Submental	L 6853	R 6855	Face
Superficial Cervical	L 4857	R 9954	External ear, neck, eyes, eyelids
↓			
Superior Deep Cervical	L 3255	R 3257	Tongue, lower pharynx, larynx, thyroid, ears
(with) Sub-occipital	L 3425	R 3421	Back of scalp
↓			
Inferior Deep Cervical	L 8557	R 8555	Lower Neck
↓			
Jugular Trunk Vessels			

### UPPER LIMBS, BREAST & BACK OF NECK

Efferents from

Glands	Rates		Drainage Areas
Epitrochlear			Hands, forearms
Subscapular Axillary	L 788	R 788**	Back of neck, dorsal trunk, skin, muscles above navel, breast
↓			
Axillary	L 448	R 455	Upper limbs, breasts, shoulders, scapulars
(with) Infraclavicular			Shoulders
↓			
Apical Axillary	L 5877	R 5875	
↓			
Subclavian Trunk Vessels	7443		

## DIAPHRAGM, THYMUS, PERICARDIUM

Efferents from:

Glands	Rates		Drainage Areas
Mediastinal	5345		Oesophagus, pericardium, diaphragm, Left lobe of liver
Sternal	8859		Anterior wall of chest, pleurae, liver, pericardium, abdominal wall
↓			
Brachiocephalic	7943		Thymus, pericardium, diaphragm
(with) Trachiobronchial	791		Lungs, bronchi, trachea, heart
↓			
L & R mediastinal trunk vessels			

## TRACHEA, BRONCHI & LUNGS

Efferents from above end in:

Glands	Rates		Drainage Areas
Paratracheal	710.69		
Tracheobronchial			
Broncho Pulmonary	L 67887	R 69387	
Pulmonary			
↓			
Bronchomediastinal trunk	2023?	4511?	

## CHEST WALL, EXTERNAL MUSCLES & TISSUES

Superficial tissues drain into:

Glands	Rates		Drainage Areas
Axillary glands	L 448/4485??	R 455/4487	
Subscapular	L 7884	R 7887	
Pectorals			
Parasternal	L 4833	R 4835	

Deeper tissues drain into:

Glands	Rates		Drainage Areas
Parasternal	L 4833	R 4835	
Intercostal		R 8777	
Diaphragmatic			

## CHEST WALL, INTERCOSTAL MUSCLES AND TISSUES

Efferent vessels end in:

Glands	Rates		Drainage Areas
Intercostal Glands	L	R 8777	

Vessels from the upper six glands on each side join independently with the Thoracic Duct

Vessels from the lower 4/5 glands form the L and R Intercostal trunks which descend to join the Cisterna Chyli or Thoracic Duct

## CHEST WALL – ANTERIOR

Glands	Rates		Drainage Areas
Efferent vessels from intercostals and parietal pleura			
↓			
Parasternal	L 4833	R 4835	
Mediastinal	5345		
↓			
Bronchomediastinal trunk or Thoracic Duct	2023/769??		

## SURFACE OF BACK

Efferent vessels drain to:

Glands	Rates		Drainage Areas
Axillary	L 448/4485	R 4487/455	Base of neck to lower angle of scapulars
Lumbar/Lateral Aortic	L 4668/9273	4666/9948	Lower angle of scapulars to level of hips
External Iliac	L 1564/7988?	R 1566/8243??	Below hips

## COELIAC SYSTEM

Drains stomach, duodenum, liver, spleen, pancreas & gall bladder

Glands	Rates	Drainage Areas
Gastro-epiploic		Stomach
Pyloric		
Cystic	10.95	Gall bladder & bile ducts
Gastric	6996 x N's of lungs	Stomach
Pyloric	4767	Pyloric end of stomach & pyloric end of duodenum
Hepatic	8693	Stomach, duodenum, liver, gall bladder, bile ducts & pancreas
Pancreatico-splenic	8946	Stomach, spleen, pancreas

The efferent vessels from all the lesser glands pass to the Coeliac, whose efferent vessels join with the inferior and superior mesenteric glands to form the Intestinal Trunk which enters the Cisterna Chyli.

## JEJENUM & ILEUM

Efferent vessels end in:

Glands	Rates	Drainage Areas
Mesentery	910.57	
↓		
Superior Mesenteric Or Inferior Mesenteric	8963 3991	
↓		
Intestinal Trunk	510.810.	
↓		
Cisterna Chyli	3278 x Lymph 709?	

## TERMINAL END OF ILEUM, APPENDIX & COLON

Efferent vessels end in:

Glands	Rates	Drainage Areas
Ileo-colic	75810.	
↓		
Superior Mesenteric Or Inferior Mesenteric	8963 3991	
↓		
Intestinal Trunk	510.810.	
↓		
Cisterna Chyli	3278 x Lymph 709?	

## PELVIC VISCERA (Not including gut)

Kidneys, Suprarenals, Ureters, Testes, Ovaries, Pelvic viscera (apart from the gut) & the Posterior part of the Abdominal wall.

Efferent vessels from the end in:

Glands	Rates	Drainage Areas
Internal Iliac	L 133      R 131	
External Iliac	L 1564      R 1566	
↓		
Common Iliac	L 448      R 455	
↓		
Lateral Aortic	L 4668      R 4666	
↓		
Lumbar Trunk		

## ANTERIOR WALL OF ABDOMEN – Above naval

Efferent vessels end in:

Glands	Rates	Drainage Areas
Pectoral of axillary groups	L      R	
Subscapular of axillary groups	L 7884      R 7887	
Parasternal	L 4833      R 4835	

## ANTERIOR WALL OF ABDOMEN – Below naval

Efferent vessels end in:

Glands	Rates	Drainage Areas
Superficial Inguinal	L 1611      R 1616	

## LOWER LIMBS

Efferents end in:

Glands	Rates		Drainage Areas
Popliteal	L 4411	R 4413	Below knee
↓			
Deep Inguinal	L 1515	R 1517	Deep tissues lower limbs, genitals
↓			
External Iliac *	L 1564	R 1566 ?	Groins and bladder
↓			
Common Iliac	L 8687	R 8689	Mainly efferents from other glands
↓			
Lateral Aortic	L 4668	R 4666	Efferents from other glands and kidneys etc
↓			
Lumbar trunk	L	R	
↓			
Cisterna Chyli	3278/709 ?		
↓			
Superficial Inguinal	L 1611	R 1616	Superficial areas of lower limbs, buttocks, anus, perineum & external genitals
↓			
External Iliac	L 1564	R 1566/8243?	See above *