## **Anterior Abdominal wall**

Muscles	Origin	Insertion	Innervation	Action
External Oblique	Fleshy slips from the	Outer lip of iliac	Lower 6 thoracic	Compresses the
	outer surface of the	crest, Aponeurosis	nerves (T7- T12)	abdominal viscera.
	lower 8 ribs	of external oblique		Both muscles flex
	(ribs 5 to 12)	which ends in Linea		the trunk forward.
		Alba		Each muscle bends
				the trunk to that side
				and rotates the
				abdomen to the
				opposite side

**Middle Layer of Abdominal Musculature** 

Muscles	Origin	Insertion	Innervation	Action
Internal Oblique	Lateral 2/3rds of	Inferior border of	Lower 5 thoracic	Compresses the
	inguinal ligament,	lower 3 or 4 ribs, the	nervesand 1st lumber	abdominal viscera.
	the middle lip of	linea alba,	nerve	Both muscles flex
	iliac crest, the	aponeurosis fuses		the trunk forward.
	thoracolumber fascia	with that of external		Each muscle bends
		oblique to form		the trunk to that side
		rectus sheath		and rotates the
				abdomen to the same
				side

**Deep Layer of Abdominal Musculature** 

Muscles	Origin	Insertion	Innervation	Action
Transverse	Lateral 1/3 <sup>rd</sup> f	End in an	Lower 6 thoracic	Tenses abdominal
Abdominis	inguinal ligament	aponeurosis	and 1st lumber	wall, compresses
	and inner lip of iliac	<i>Upper fibers</i> to linea	nerves (T7 – L1)	abdominal contents
	crest, thoracolumber	alba help form		
	fascia, inner surface	posterior layer of		
	of lower six ribs	rectus sheath, <u>Lower</u>		
		<u>fibers</u> attach to pubis		
		to form conjoined		
		tendon		
Rectus Abdominis	5 <sup>th</sup> , 6 <sup>th</sup> and 7 <sup>th</sup> costal	Crest of pubis and	Lower 7 thoracic	Flexes vertebral
	cartilages,	pubic tubercle, front	nerves (T6-T12)	column, Anterior
	costoxiphoid	of symphysis pubis		abdominal wall,
	ligaments and			compresses
	xiphoid process			abdominal contents
Cremaster	Midway along the	Onto tubercle and	Genital branch of	Pull the testes
	inguinal ligamentas	crest of pubis and	genitofemoral nerve	upward toward
	a continuation of	sheath of rectus		superficial inguinal
	internal oblique	abdominis muscle		ligament
	muscles			
Pyramidalis	Anterior surface of	Into linea alba	12 <sup>th</sup> thoracic nerve	Tenses linea alba
	pubis and anterior	between umbilicus		
	pubic ligament	and pubic symphysis		