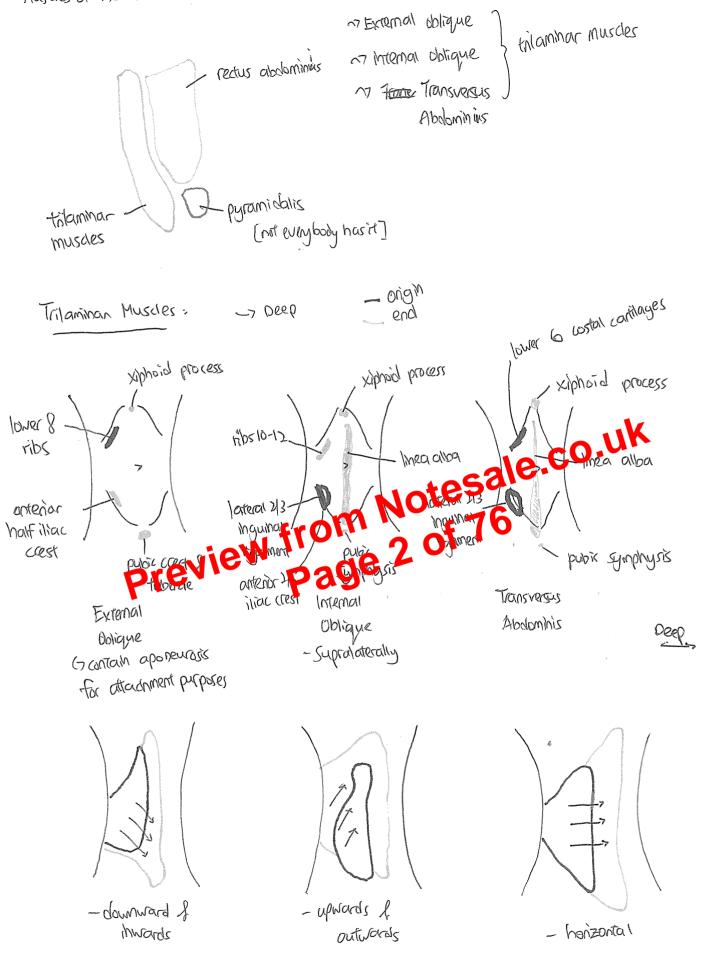
Anterior Aladominal Wall

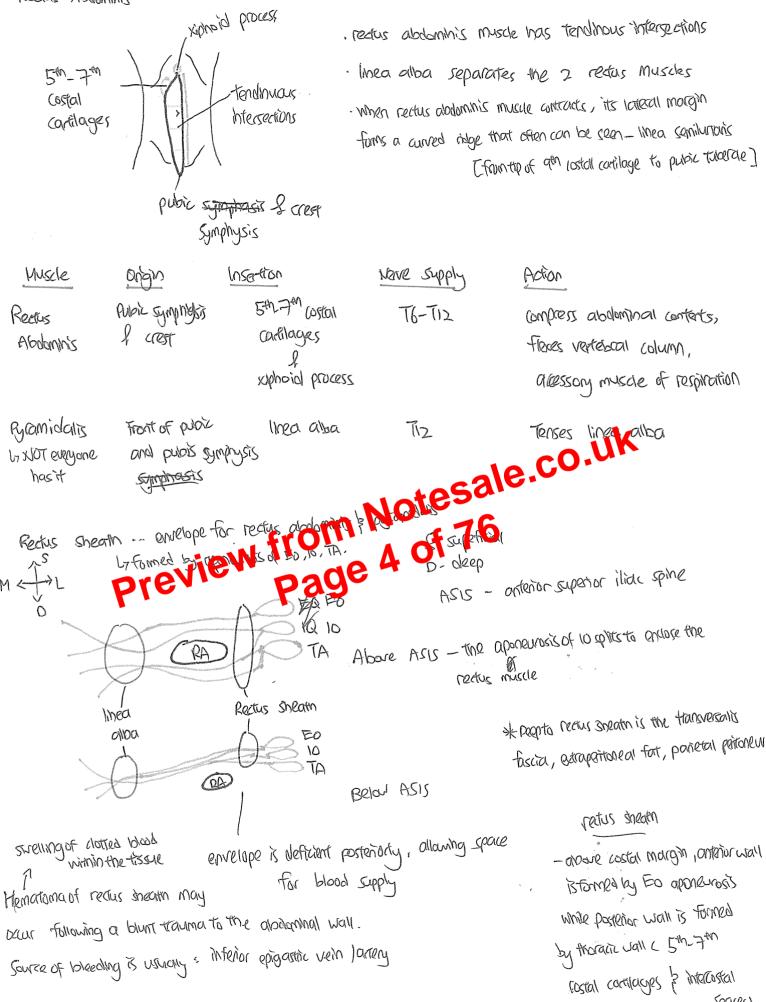
~7 Surface Landmarks & abdominal regions

mid clanicular lines subcostal lines intertubercular lines

xiphoid process epigastrium left hypschonchium Costal margin ₩ez. 11 2 umbiliturs left flook / lumbar antenior superior >5 iliac spine 4 umbilical 8 7 left iliac fossa indriver pubic lig ament Tubercle hypogastrium/suprapubic Fascia= fibraus Layers of the Antenior Albohminal, Wall lightent Char oone Superficial tating (vam) in different bone to muscle 62 ondan N01 Morging) Finewasis - flat tendón byer 1 Pransversalis fascia a tascia NOVER TW de SKAM Conversion of the local division of the loca Щ 0 J. 9 Panetal pertoneum (Scalpa's fascia) -7 Peep memoranous loyer of sabrat Subcutaneous tissue Extrapentaneal fat h used by surgeons to alinch



Rectus Alabminis



spares)

- Ruadicatus lumborum - Psoas major+minor 3 muscles (lliacus iliac crest Ø ala (whg) nsuili 70 (iliac-fossa) NJ best part of cow for tender Steak tips of transverse processof Psoas Májor Quadratus Lumborum louier lumbor vertebrae origin: lateral surface of T12 to 15 Origin: illiac crest, iliolumbar ligament, inferiesside & Insertion: lesser trachanter of the femur insertion: transmere process of LI-L4, 15th rib -function : -flexion of thigh of hip joint s lateral bendling of trunk; holds 12th no * Not everyone has proas minor (antendr to proas function insertion : letter trochointer of the termin Not call the trace intervence in dawn during inspiration have aide in map hation appliest threatenate major) Artenies : Abdominal aorta andits main branches : 1) Unpaired branches to digestive organs ²r Celiac trunk-eg stomady, liver, spleen Superior mesenteric artery-eg: aluaderum, jej unum Suppilor interior mesenteric artery - eg: des. colon, rectum paired branches to organ suprarenal, renal & gonadal artenes [3paired branches] I. Panietal branches to overal- which im I. Panietal branches to overal- which im paired branches to overal- which im middle suprarenal artenes - supply suprarenal gland renal ortenes - supply the kidneys renal ortenes - supply testes (avaires. restitution (avairan ortenies - supply testes (avaires. infenior 2) paired branches to organ 3) 4 panietal branches to posterior structure Lumbor arteries to usually four pairs of lumbor arteries Mat supply the posterior abdominal wall MERIOC Phrenic artem

Spermontagenesis

- Mitasis (spermatocytogenesis) ~ while diploid spermatogonia (stem cells) duplicate themselves forming diploid primary spermatory ter

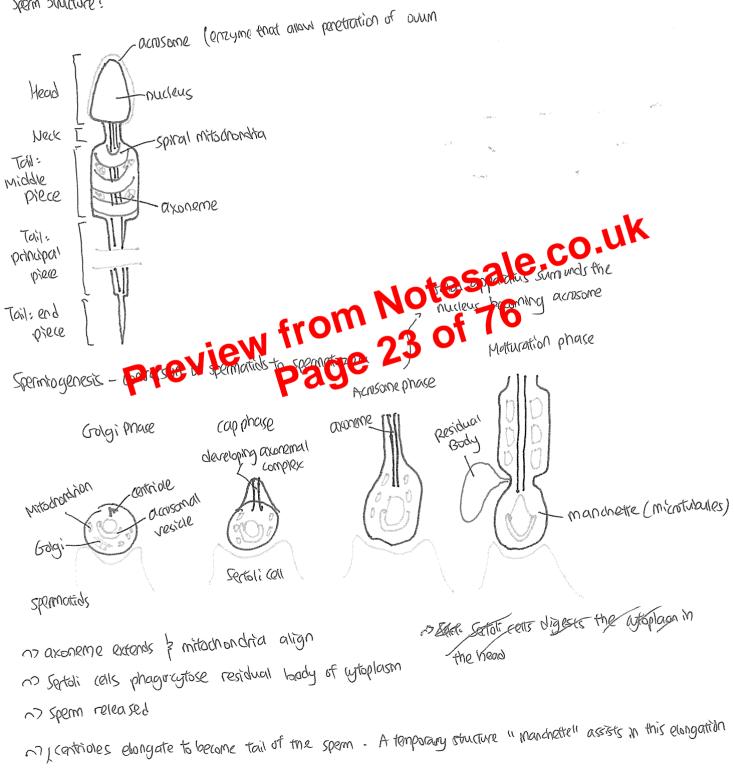
- 1st phase of metosis no The 1° spermatocytes divide to form 2 haploid doughter cells - secondary spermatocytes

- 2nd phase of meiosis ~> The 2° spermatocytes divide to form 4 haploid idailighter cells - spermaticles

Sporm Structure:

one of the

~ nucleosonal history's replaced to protamines



Blastoupst . Corprised of outer trophdolast and inner embrydolast - trophylolast becames fortal component of placenta Rostral, towards the Aose - embryablasts spits to become bilarinar empiricalise brock blastocoele - hollow part of · cers of the this disc develop into enorge proper blastayst - IN 3rd week Granio-caudal primitive streak forms trophoblase -> umbilical and, - cells migrate into streak - leads to thilammar disc ampion (thicker) chorian wtermedicite nesodern Gustulation: 31 quesonise during gostalation ompyoldast -7 Darsal · Neuron (rest (thimper) Mastan: - Somittes lies between etto- and endoderm suface eclodem neirai tube Somatic NOW ON BORDE OFM Ectodem: etto-dem Satandamic wers the embryo mesodern ventral Notochara Solonchrit Endodern . lines the gut tube Sanatic mesodern Notesale.co.uk Ectodern - were the embryo, writinuous w the annion FATE : epidemits of skin (have nails and skin gland) spina bifida -> failure of lateral to 3:5 heren tube Mesodem FATE: muccles, bones, and connective tissien O newral tube to cluse, Bak that lie Somittes : paired presodering meningocele popsoit Neuroectoolerm: Newal tube and neural creat fissue derived from ectoderm - Alhal crest tissue is unique to vertebrates - Notichard : cranio-caudal stiffening rod that is characteristic of chordates FATE: nucleus of pulposus of IN disce during interney notochord - derive a from mesoderm · Newral crest: dorso-lateral to newral tube \$ L> signalling earlie for FATE: PNS, Structures in head & neck development of ontation - posterior aixis . Neural tube : FATIE -> CNS (spinal coord + bran) Intermedicate mesoderm - lives lateral to in notichard, ventral to the somittes and dosal to the lateral plate - between samites on a the lateral plate FATE: Kicheys, wreters and gonads Lateral plate mesoderm : surrounds Coelon (body cavity) FATE: heart, blood vessels, gut musculative and Splanchnik mesoderm - vikeral (MNRT)] plewere, pertoneum? lining of body cavities

gnooth whuseles of Eftact

somatic mesoderm - ponietal (outer))

I: putchior aspect of the tryalid cattloge and 0: auditary table 7: latoai phayngeai vall lateral phaguageal wall A. elevates pharyox & largin (depresses rate parate? Action: elevates phaganx and a sists in opening innervation: vagus nerve (phayngeal plexus) of auditory tube haavanion: vague nerve (phayingeal plexus) Stylophaningeus mervorkion: glossophanum en lague from Notesale.co.uk Magageal plekur 0: styloid process of the temporal love I: posterior aspect of the tryroid cartilage and Photylogeal pletus Marker plexus consisting of Neare plexus consisting of Neare plexus consisting of Neares provident fibres from glossophayingeal plexasympathetic fibres from glossophayingeal Sympathetic fibres from superior ceptical gardien located in buccepharyingeal faccia, superficial to enrinterior nurrior Vascular supply of the Annum venous diamage via phayingean plexus of Vascular supply of the Pharynx Artenies - supplied by 4 branches of the external carotid ortery veins then to pterygoid piexus of veins or Internal jugular or fascial 1) ascending pharpogeal 21 Maxillary -> phargingeal branches 37 Fascial -7 ascarding palatine and tonsillar branches 4) Superior Anyroid + Inferior Anyroid

· salpingopharyngeus and palatopharyngeus lie medial to the constructors · Stylopharyngeus porsies between the superior and middle constrictors before meging with the palatopharyngeus

palatophayngeus

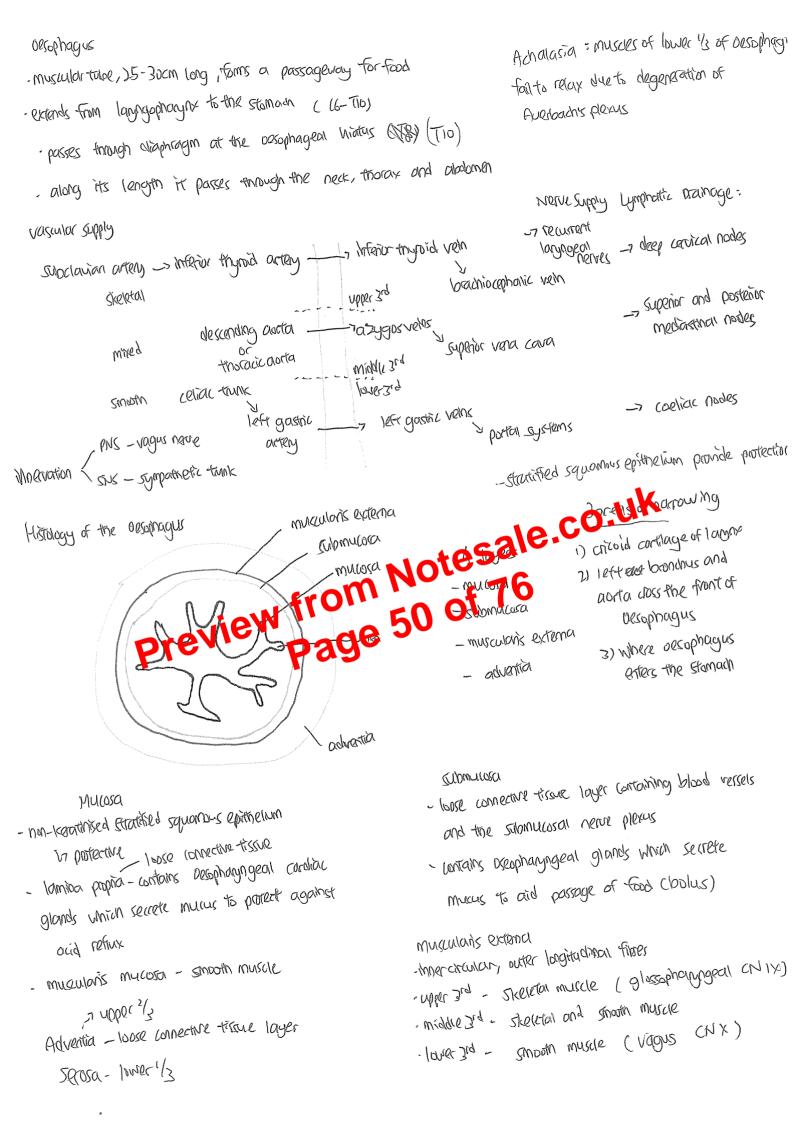
0: palattine oppneuronis

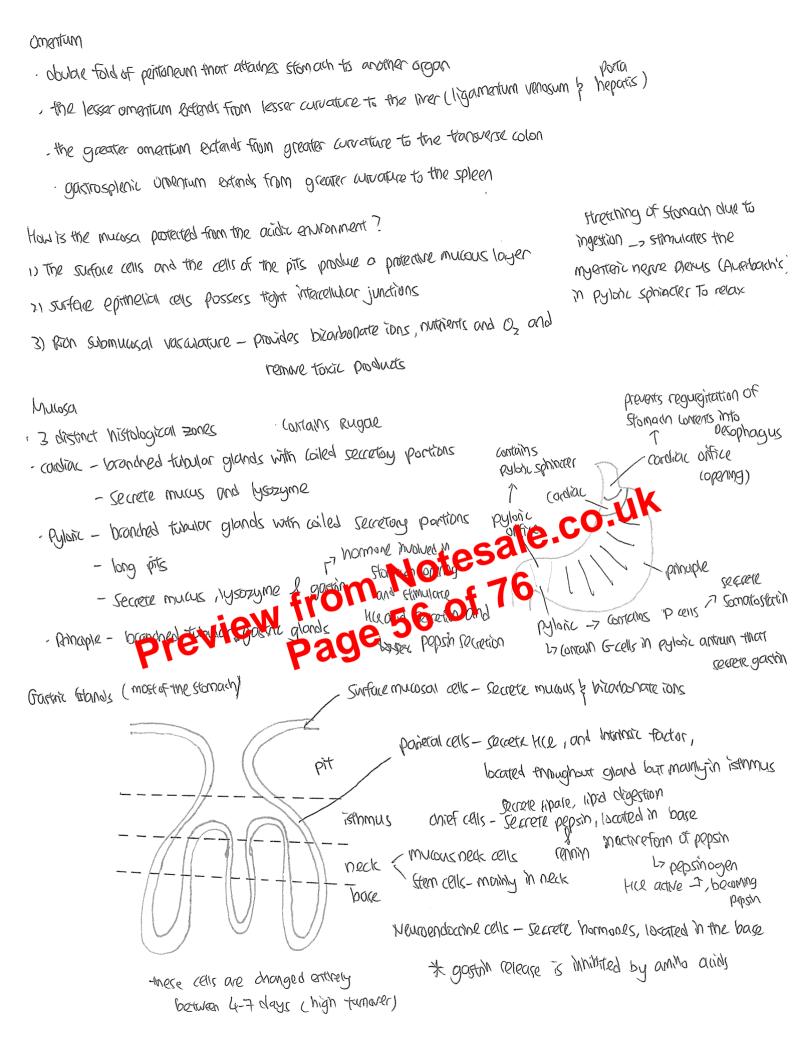
Longitudinal Muscles - 3 muscles that run in a vertical direction palatophayngeus

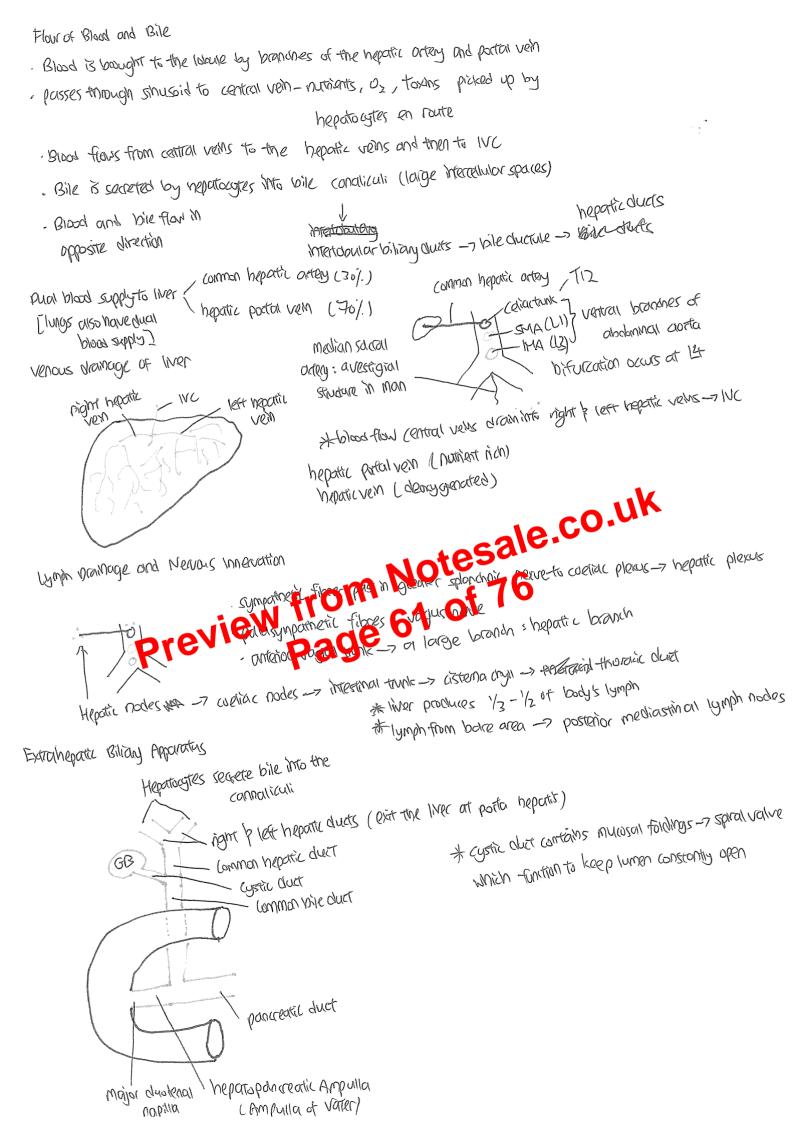
Salphopphayngeus

salpm-tube

stylopharyngeus







· Voluntary -teeth occuded (masseter, temporalis, Medial . Its hought together and them occluded pteggsid) · Volus Formed and mored into oropharynx - bodys formed Lintimisic muscle of tongue) . Orophanyngeal seal estaldished Pharyngeal phare gliatis-space between vocal chords · involuntary -velophayngeal (nasopharyngeal) seal established , pharyox shortened & videned, layox elevated - largngeal met narrowed and glottis closed balus mored into stanoch view from Notesale.co.uk respitatory passinge records becophageal phase ocophayngeal isthmus leared · lagnx repositioned c apphayngeal istnmus narrowed and Hugaes used in swallowing postenior part of tongue elevated oral phase - bolus moved into orophaly lix by palapagiosaus - elevation of the hyoid bone raises the Engue to the roof of the Mouth and presses the balus against the hard pollate la mylanyoid and amenior & posterior digastric - shape of toggue altered to form a trough - genicy lossus · sides of tangue elevated to assist in trough formation - styloglossus . Theof tangue pressed against maxillary as theisers and hard parate-genioglossus . Tongue retracted and testers bolus dragged posteriorly - styloglossus

oral phase

3stages - 1) oral phase 21 pharyngeal phase 31 Oesophageal phase

Swallowing (Deglutition)

aspiration - Food enter vocal chard Use coughing to remove things form vocal chard

. hips boorgint together (additudities of its)

