MEDD 422 ANATOMY

~

KURT MCBURNEY, ASSOCIATE TEACHING PROFESSOR - IMP
NICHOLAS BYERS - SMP
PETER BAUMEISTER - SMP
Proof of Permission for Cadaveric Photos

Kurt McBurney
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To Whom It May Concern:

During 6-week PLEX cycle of April-May 2018, Peter Harmer and Nick Byers completed a
dissertation learning exercise project here at the Island Medical Program. They completed dissections of
the lower limb corresponding to the incoming fall gross anatomy laboratories.

As part of this project they took photographs of their dissections with the purpose of creating digital index
cards which will help students in future labs with these lower limb dissections. Long before they began
the project they asked for, and received, my permission to take and subsequently use the photos to create
the digital index cards.

As a final check—as protection for themselves, their work and my responsibility for cadaveric
donations—I will view the final versions of the digital index cards to ensure there are no concerns
regarding the photographs and the cadaveric material.

Thank you,

Kurt McBurney
LABORATORY 1

~

THE HEART
**INDEX**

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<th>Pulmonary veins</th>
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<td><strong>Ligamentum arteriosum</strong></td>
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<td><strong>Opening of coronary sinus</strong></td>
<td>Valve of vena cava</td>
</tr>
</tbody>
</table>

*Items in red are not labeled in slide package*
Structures in View:

- Aorta
- Pulmonary Trunk
- Right Ventricle
- Left Ventricle
- Left Anterior Descending Artery
- Right Coronary Artery
- Epicardial Surface
- Endocardium
The Heart - Posterior

Structures in View:

- Right Coronary Artery
- Coronary Sinus
- Right Ventricle
- Left Ventricle
- Right Atrial Appendage (Reflected/Fixed Superiorly)
- Superior Vena Cava
- Middle Cardiac Vein
- Small Cardiac Vein
The Heart

Structures in View:

- Right Atrium (Opened)
- Coronary Sinus
- Left Pulmonary Veins
- Right Coronary Artery
- Right Atrial Appendage (Reflected/Fixed Superiorly)
- Left Atrium
- Middle Cardiac Vein
The Heart

Structures in View:

- Right Ventricle
- Right Coronary Artery
- Right Atrium (Opened)
- Right Atrial Appendage (Reflected/Fixed Superiorly)
- Aorta
- Marginal Branch of the Right Coronary Artery
The Heart

Structures in View:

Cristae Terminalis
Pectinate Muscles
Right Atrium (Opened)
Right Ventricle
Right Atrial Appendage
Aorta
Superior Vena Cava
Fossa Ovalis (Finger Pointing Directly To It)
The Heart

Structures in View:

Great Cardiac Vein
Left Anterior Descending Artery
Left Ventricle
Left Atrium
Right Ventricle
Aorta
Pulmonary Trunk
Pulmonary Veins
Left Coronary Artery
Left Circumflex Artery
The Heart

Structures in View:

Fossa Ovalis (Valve of Foramen Ovale)
Right Coronary Artery
Interatrial Septum
Right Atrial Appendage
Right Ventricle
Aorta
Pectinate Muscles
The Heart

Structures in View:

Left Coronary Artery
Right Coronary Artery
Left Atrial Appendage
Aorta
Left Ventricle
Pulmonary Artery
**Smooth Surface:** Right horn of Sinus Venosus

*Border between these two demarcated by Crista Terminalis internally*

**Rough Surface:** Primitive Atria

**Fossa Ovalis:** Septum Primum

**Coronary Sinus:** Left horn of sinus venosus

**Right Coronary Artery:** Endothelium from sinus venosus; vessel wall (tunica media and adventitia) from epicardium (CT), which in turn is from proepicardial organ.

*Rough surface of auricle also from primitive atria*
**Smooth Surface:** Pulmonary veins
**Rough Surface:** Primitive Atria
**Valve of Foramen Ovale:** Septum Primum
**Left Coronary Artery:** Endothelium from sinus venosus; vessel wall (tunica media and adventitia) from epicardium (CT), which in turn is from proepicardial organ.

*Rough surface of auricle also from primitive atria*
Ventricular Embryology

**Right Ventricle:** Bulbus Cordis

**Left Ventricle:** Primitive Ventricle

**Epicardium:** Mesothelial cells from sinus venosus

**Ligamentum Arteriosum:** Ductus Arteriosus (not pictured)
• Photo source: https://nyamcenterforhistory.org/tag/andreas-vesalius/
MEDD 422 ANATOMY

KURT MCBURNEY, ASSOCIATE TEACHING PROFESSOR - IMP
NICHOLAS BYERS - SMP
PETER BAUMEISTER - SMP
Proof of Permission for Cadaveric Photos

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To Whom It May Concern:

During the 6 week PLEX cycle of April-May 2018, Peter Battiste and Nick Byers completed a dissection learning exercise project here at the Island Medical Program. They completed dissections of the lower limb corresponding to the upcoming fall gross anatomy laboratory.

As part of this project they took photographs of their dissections with the purpose of creating digital index cards which will help students in future labs with these lower limb dissections. Long before they began the project they asked for, and received, my permission to take and subsequently use the photos to create the digital index cards.

As a final check—as protection for themselves, their work and my responsibility for cadaveric donations—I will vet the final version of the digital index cards to ensure there are no concerns regarding the photographs and the cadaveric material.

Thank you,

[Signature]

Kurt McInnes
LABORATORY 2

~

MIDGUT, HINDGUT & VASCULATURE
Kidneys and Vasculature

Structures in View:

- Abdominal Aorta
- Inferior Vena Cava
- Kidneys
- Renal Veins
- Right Psoas Muscle
- Inferior Mesenteric Artery
- Superior Mesenteric Artery
Abdomen

Structures in View:

- Pancreas
- Liver
- Kidney (Right)
- Jejunal Artery
- Superior Mesenteric Artery
- Superior Mesenteric Vein
- Jejunum
- Ileum
Abdomen

Structures in View:

Right Colic Artery
Superior Mesenteric Artery
Jejunum
Jejunal Artery
Ileum
Ileal Artery
Vasa Recta
Ileocolic Artery
Abdominal Aorta
Common Iliac Arteries
Inferior Mesenteric Artery
Left Colic Artery
Sigmoid Colon
Sigmoid Arteries
Rectum
Superior Rectal Artery
Abdomen

Structures in View:

- Abdominal Aorta
- Inferior Mesenteric Artery
- Ascending Colon
- Sigmoid Colon
- Transverse Colon
- Descending Colon
- Haustra Coli
- Tenia Coli
Abdomen

Structures in View:

Abdominal Aorta
Inferior Mesenteric Artery
Left Colic Artery
Right Colic Artery
Middle Colic Artery
Abdomen

Structures in View:

- Ileocecal Junction
- Appendix (with appendicular artery)
- Ileocolic Artery
- Cecum
- Epiploic Appendices
References

- Photo source: https://nyamcenterforhistory.org/tag/andreas-vesalius/
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To Whom It May Concern:

During the 6 week PLEX cycle of April-May 2018, Peter Harmsworth and Nick Byers completed a dissection learning exercise project here at the Island Medical Program. They completed dissections of the lower limb corresponding to the upcoming Fall gross anatomy lab classes.

As part of this project they took photographs of their dissections with the purpose of creating digital index cards which will help students in future labs with these lower limb dissections. Long before they began the project they asked for, and received, my permission to take and subsequently use the photos to create the digital index cards.

As a final check—as protection for themselves, their work and my responsibility for cadaveric donations—I will vet the final versions of the digital index cards to ensure there are no concerns regarding the photographs and the cadaveric material.

Thank you,

Kurt McMaster
LABORATORY 3

~

THE FOREARM
<table>
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<td>Flexor Digitsitorum Profundus</td>
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<td>Radial Nerve (Not pictured)</td>
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<td>Ulnar Artery</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Ulnar Nerve</td>
</tr>
</tbody>
</table>
The Humerus

Structures in View:

Capitulum
Trochlea
Radial Fossa
Coronoid Fossa
Medial Epicondyle (Common Flexor Origin)
Lateral Epicondyle (Common Extensor Origin)
Greater Tubercle
Lesser Tubercle
Intertubercular Sulcus (Bicipital Groove)
The Humerus

Structures in View:

Radial Sulcus
Olecranon Fossa
Surgical Neck
Anatomical Neck
Lateral Epicondyle (Common Extensor Origin)
Greater Tubercle
Medial Epicondyle (Common Flexor Origin)
The Radius

Structures in View:

Head
Neck
Radial Tuberosity
Shaft
Ulnar Notch
Styloid Process
The Radius

Structures in View:

- Dorsal Tubercle
- Neck
- Radial Tuberosity
- Shaft
- Ulnar Notch
- Styloid Process
The Ulna

Structures in View:

- Head
- Coronoid Process
- Radial Notch
- Trochlear Notch
- Olecranon Process
- Ulnar Tuberosity
- Styloid Process
- Shaft
The Ulna

Structures in View:

- Head
- Styloid Process
The Left Dorsal Forearm

Structures in View:

**Brachioradialis**
Extensor Carpi Radialis Longus
Extensor Carpi Radialis Brevis
 Extensor Digitorum
Extensor Digiti Minimi
Extensor Carpi Ulnaris
Abductor Pollicis Longus
Extensor Pollicis Brevis
The Left Dorsal Forearm

Structures in View:

Abductor Pollicis Longus
Extensor Pollicis Brevis
Extensor Pollicis Longus
Extensor Indicis
Radial Nerve (Mostly Superficial Branch)
The Left Ventral Forearm

Structures in View:

Radial Artery
Palmaris Longus (Tendon)
Flexor Retinaculum
Flexor Carpi Ulnaris (Tendon)
Flexor Carpi Radialis
Pronator Teres (Use your imagination)
The Left Ventral Forearm

Structures in View:

- Radial Artery
- Palmaris Longus
- Flexor Carpi Ulnaris
- Flexor Carpi Radialis
- Pronator Teres
- Ulnar Nerve
The Left Ventral Forearm

Structures in View:

- Brachial Artery
- Cephalic Vein
- Basilic Vein
- Median Cubital Vein
- Biceps Brachi
- Brachioradialis
The Left Ventral Forearm

Structures in View:

- Radial Artery
- Flexor Pollicis Longus
- Pronator Quadratus (Deep)
- Median Nerve
- Flexor Digitorum Superficialis
- Palmaris Longus (Reflected)
The Left Ventral Forearm

Structures in View:

- Flexor Digitorum Superficialis
- Flexor Digitorum Profundus
- Radial Artery
- Ulnar Artery
The Anatomical Snuff Box

Structures in View:

**Anatomical Snuff Box**

- Abductor Pollicis Longus Tendon
- Extensor Pollicis Brevis Tendon
- Extensor Pollicis Longus Tendon
- Scaphoid Bone (Deep)
Brachioradialis

**Action:** Flexion of Forearm at the Elbow

**Innervation:** Radial Nerve
Brachioradialis

**Action:** Flexion of Forearm at Elbow

**Innervation:** Radial Nerve
Extensor Carpi Radialis Longus

**Action:** Extension of Wrist

**Innervation:** Radial Nerve
Extensor Carpi Radialis Brevis

**Action:** Extension of Wrist

**Innervation:** Radial Nerve
Extensor Digitorum

**Action:** Extension of Digits II-V

**Innervation:** Radial Nerve
Extensor Digiti Minimi

**Action:** Extension of Pinky Finger

**Innervation:** Radial Nerve
Extensor Carpi Ulnaris

**Action:** Extension of Wrist

**Innervation:** Radial Nerve
Abductor Pollicis Longus Muscle

**Action:** Abduction of Thumb  
**Innervation:** Radial Nerve
Extensor Pollicis Brevis Muscle

**Action:** Extension of Thumb

**Innervation:** Radial Nerve
Extensor Pollicis Longus Muscle

**Action:** Extension of Thumb

**Innervation:** Radial Nerve
Extensor Indicis

**Action:** Extension of Index Finger

**Innervation:** Radial Nerve
**Abductor Pollicis Longus**

**Action:** Abduction of Thumb  
**Innervation:** Radial Nerve

Snuff Box Outlined In Black
Action: Extension of Thumb
Innervation: Radial Nerve

Snuff Box Outlined In Black
**Action:** Extension of Thumb

**Innervation:** Radial Nerve

Snuff Box Outlined In Black
**Pronator Teres**

**Action:** Pronation of Arm  
**Innervation:** Median Nerve
**Palmaris Longus**

**Action:** Flexion of Wrist  
**Innervation:** Median Nerve
Action: Flexion of Wrist
Innervation: Median Nerve
Flexor Carpi Ulnaris

**Action:** Flexion of Wrist

**Innervation:** Ulnar Nerve
**Action:** Flexion of PIP Joints

**Innervation:** Median Nerve
Action: Flexion of Thumb
Innervation: Median Nerve
Pronator Quadratus

Action: Pronation
Innervation: Median Nerve
Flexor Digitorum Profundus

**Action:** Flexion of DIP Joints  
**Innervation:** Median Nerve for Radial Side  
Ulnar Nerve for  
Ulnar Side
References

- Photo source: [https://nyamcenterforhistory.org/tag/andreas-vesalius/](https://nyamcenterforhistory.org/tag/andreas-vesalius/)
- Kurt McBurney’s Epic Notes & Drawings!
MEDD 422 ANATOMY

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To Whom It May Concern:

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Thank you,

Kurt McBraymey
LABORATORY 4
~
FOREGUT & VASCULATURE
INDEX

Abdominal Aorta
Anterior Surface Of Stomach
Antrum Of Stomach
Bile Duct (Common Bile Duct)
Body Of Pancreas
Body Of Stomach
Cardia Of Stomach
Caudate Lobe Of Liver
Celiac Trunk
Common Hepatic Artery
Common Hepatic Duct
Cystic Artery
Cystic Duct
Duodenojejunal Junction
First Part Of Duodenum
Fourth Part Of Duodenum
Fundus Of Stomach
Gallbladder
Gastroduodenal Artery
Greater Curvature Of Stomach
Head Of Pancreas
Hepatic Portal Vein
Hepatic Proper
Hepatic Veins
Inferior Vena Cava
Left Gastric Artery
Left Gastroepiploic Artery
Left Hepatic Artery
Left Hepatic Duct
Left Lobe Of Liver
Lesser Curvature Of Stomach
Major Duodenal Papilla
Minor Duodenal Papilla
Neck Of Pancreas
Posterior Surfaces Of Stomach
Pylorus Of Stomach
Quadrate Lobe Of Liver
Right Gastric Artery
Right Hepatic Duct
Right Lobe Of Liver
Second Part Of Duodenum
Spleen
Splenic Vein
Splenic Artery
Superior Mesenteric Vein
Tail Of Pancreas
Third Part Of Duodenum

*Items in red are not labeled in slide package*
The Stomach

Structures in View:

Cardia
Fundus
Body
Greater Curvature
Lesser Curvature
Antrum
Pylorus
The Stomach

Structures in View:

Right Gastroepiploic Artery
Splenic Artery
Celiac Trunk
Greater Curvature
Common Hepatic Artery
Right Gastric Artery
Left Gastric Artery
Gastroduodenal Artery
The Duodenum

Structures in View:

First Part
Second Part
Third Part
Fourth Part
Duodenojejunal Junction
Jejunum
Ligament of Trietz (Suspensory muscle of duodenum)
The Pancreas

Structures in View:

- Head
- Neck
- Body
- Liver
- Stomach
- Duodenum
The Spleen

Structures in View:

The Spleen
Splenic Artery
Spenic Vein (Barely Visible)
Body of Pancreas
Tail of Pancreas
The Liver

Structures in View:

Right Lobe (Inferior View)
Left Lobe (Inferior View)
Kidney (Right)
The Liver

Structures in View:

Right Lobe (Visceral Surface)
Left Lobe (Visceral Surface)
Quadrate Lobe (Visceral Surface)
Gallbladder
Cystic Duct
Right Kidney
Common Bile Duct
Common Hepatic Artery (Becomes Hepatic Proper)
Hepatic Portal Vein
Vasculature of the Abdomen

Structures in View:

- Abdominal Aorta
- Inferior Vena Cava
- Kidneys
- Renal Veins
- Psoas
- Inferior Mesenteric Artery
- Superior Mesenteric Artery
The Liver

Structures in View:

Pancreas
Liver
Kidney (Right)
Jejunal Artery
Superior Mesenteric Artery
Superior Mesenteric Vein
● Photo source: [https://nyamcenterforhistory.org/tag/andreas-vesalius/](https://nyamcenterforhistory.org/tag/andreas-vesalius/)
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250-483-1421 (cell)

To Whom It May Concern:

During the 6 week PLEX cycle of April/May 2018, Peter Hummeston and Nick Byars completed a dissections learning exercise project here at the Island Medical Program. They collected dissections of the lower limb corresponding to the upcoming fall gross anatomy laboratories.

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Kurt McBurney
LABORATORY 5
~
FEMALE PELVIS
INDEX

Ala
Anal Triangle
Anterior Superior Iliac Spine
Broad Ligament
Bulb Of Vestibule
Bulbospongious Muscle
Cervix
Clitoris
Coccyx
Corpus Cavernosum
Crest Of Ilium
External Anal Sphincter
External Iliac Artery
Facet For Sacroiliac Joint
Greater Sciatic Foramen
Hip (Pelvic) Bone
Inferior Vesicular Artery
Internal Iliac Artery
Ischial Spine
Ischial Tuberosity
Ischiocavernosus Muscle
Ischiopubic (Pubic) Arch
Lesser Sciatic Foramen
Levator Ani Muscle
Ligament Of Ovary
Mesometrium
Mesosalpinx
Mesovarium
Obturator Foramen
Obturator Internus Muscle
Ovary
Piriformis Muscle
Prostate
Pubic Crest
Pubic Symphysis
Pubic Tubercle
Pudendal Artery
Pudendal Nerve
Pudendal Vein
Rectouterine Pouch
Rectum
Renal Pelvis
Round Ligament Of Uterus
Sacrospinous Ligament
Sacrotuberous Ligament
Sacrospine
Superficial Transverse Perineal Muscle
Superior Vesicular Artery
Suspensory Ligament Of Ovary
Ovarian Artery
Umbilical Artery
Ureter
Urethra
Urinary Bladder
Uterine Artery
Uterus
Pelvic Osteology

Structures in View:

- Ala Of Sacrum
- Pubic Symphysis
- Ischiopubic Arch
- Sacroiliac Joint
- Obturator Foramen
- Pubic Tubercle
- Pubic Crest
Pelvic Osteology

Structures in View:

- Coccyx
- Ischial Tuberosity
- Anal Triangle
- Obturator Internus
- Levator Ani
- Superficial Transverse Perineal Muscle
Right Pelvis (Hip Bone)

Structures in View:

- Gluteal Surface
- Obturator Foramen
- Iliac Crest
- Ischial Spine
- Ischial Tuberosity
Pelvic Osteology

Structures in View:

Pubic Symphysis
Ischiopubic Arch
Urogenital Triangle
Bulbospongiosus
Ischiocavernosus
Urethra
Obturator Foramen
Vagina
Glans Of Clitoris
Crura Of Clitoris (Covered by Ischiocavernosus Muscle)
Structures in View:

- Urinary Bladder
- Vesicouterine Pouch
- Uterus
- Rectum
- Rectouterine Pouch
- Vagina
- Urethra
- Cervix
Female Pelvis

Structures in View:

Ovary
Suspensory Ligament Of Ovary
Ligament Of Ovary
Round Ligament Of Uterus
Broad Ligament (Comprised Of 3 Parts)
Mesosalpinx (Covering Fallopian Tube)
Mesovarium (Covering Ovary)
Mesometrium (Covering Uterus)
Bladder
Female Pelvis

Structures in View:

Common Iliac Artery
Internal Iliac Artery
Obliterated Umbilical Artery
Obturator Artery
Pudendal Artery
Uterine Artery
Superior Vesicular Artery
Pelvis

Structures in View:

Sacrum
Sacrotuberous Ligament
Sciatic Nerve
Piriformis Muscle
Ischial Tuberosity
Pudendal Nerve
References

- Photo source: https://nyamcenterforhistory.org/tag/andreas-vesalius/
Proof of Permission for Cadaveric Photos

Kurt McRae
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To Whom It May Concern:

During a 6-week PLEX cycle of April-May 2018, Peter Barretto and Nick Byers completed a dissection learning exercise project here at the Island Medical Program. They completed dissections of the lower limb corresponding to the upcoming fall gross anatomy laboratory.

As part of this project they took photographs of their dissections with the purpose of creating digital index cards which will help students in future labs with these lower limb dissections. Long before they began the project they asked for, and received, my permission to take and subsequently use the photos to create the digital index cards.

As a final check—as protection for themselves, their work and my responsibility for cadaveric donations—I will vet the final versions of the digital index cards to ensure there are no concerns regarding the photographs and the cadaveric material.

Thank you,

Kurt McRae
LABORATORY 6
~
THE HAND
<table>
<thead>
<tr>
<th><strong>OSTEOSCOPY</strong></th>
<th><strong>OTHER</strong></th>
<th><strong>MUSCLES</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Capitate</td>
<td>Flexor Digitorum Profundus</td>
<td>Abductor Digiti Minimi</td>
</tr>
<tr>
<td>Distal Interphalangeal Joint (DIP)</td>
<td>Tendons</td>
<td>Abductor Pollicis Brevis</td>
</tr>
<tr>
<td>Distal Phalange</td>
<td>Flexor Digitorum Superficialis</td>
<td>Adductor Pollicis</td>
</tr>
<tr>
<td>Hamate</td>
<td>Tendons</td>
<td>Dorsal Interossei (1st)</td>
</tr>
<tr>
<td>Lunate</td>
<td>Flexor Pollicis Longus Tendon</td>
<td>Flexor Digiti Minimi</td>
</tr>
<tr>
<td>Metacarpophalangeal Joint (MCP)</td>
<td>Median Nerve</td>
<td>Flexor Pollicis Brevis</td>
</tr>
<tr>
<td>Middle Phalange</td>
<td></td>
<td>Lumbricals (1-4)</td>
</tr>
<tr>
<td>Pisiform</td>
<td>Palmar Aponeurosis</td>
<td>Opponens Digiti Minimi</td>
</tr>
<tr>
<td>Proximal Interphalangeal Joint (PIP)</td>
<td></td>
<td>Opponens Pollicis</td>
</tr>
<tr>
<td>Scaphoid</td>
<td></td>
<td>Palmar Interossei (Identify only)</td>
</tr>
<tr>
<td>Trapezium</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Trapezoid</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Triquetrum</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Items in red are not labeled in slide package*
The Wrist

Structures in View:

- Trapezium
- Scaphoid
- Lunate
- Triquetrum
- Pisiform
- Hamate
- Capitate
- Trapezoid
- Metacarpals
- Radius
The Hand

Structures in View:

Distal Phalanges
Middle Phalanges
Proximal Phalanges
Metacarpals
MCPs
DIPs
PIPs
Interphalangeal Joint
The Left Wrist

Structures in View:

**Flexor Retinaculum**
Abductor Pollicis Brevis
**Flexor Pollicis Brevis**
Ulnar Artery
Superficial Palmar Arch
Radial Artery
Ulnar Nerve
Median Nerve
Flexor Pollicis Longus Tendon
The Hand

Structures in View:

- Abductor Digiti Minimi
- Flexor Digiti Minimi
- Opponens Digiti Minimi
- Adductor Pollicis
- Flexor Pollicis Brevis
- Abductor Pollicis Brevis
- Lumbricals
- First Dorsal Interossei
The Hand

Structures in View:

Flexor Digitorum Superficialis Tendon
Flexor Digitorum Profundus Tendon
Thenar Eminence
Hypothenar Eminence
The Hand

Structures in View:

- Extensor Digitorum Tendons
- Dorsal Interossei
- Superficial Branch of Radial Nerve
The Left Forearm

Structures in View:

Flexor Digitorum Superficialis Tendons
Flexor Digitorum Profundus Tendons
Flexor Pollicis Longus Tendon
Median Nerve
The Left Ventral Forearm

Structures in View:

- *Flexor Digitorum Superficialis*
- *Flexor Digitorum Profundus*
- *Radial Artery*
- *Ulnar Artery*
Action: Abduction of Pinky Finger
Innervation: Ulnar Nerve
Abductor Pollicis Brevis

**Action:** Abduction of Thumb

**Innervation:** Median Nerve
**Adductor Pollicis**

**Action:** Adduction of Thumb  
**Innervation:** Ulnar Nerve
Dorsal Interossei

**Action:** Abduction of Fingers

**Innervation:** Ulnar Nerve

*Remember 3rd finger is midline*
Flexor Digiti Minimi

**Action:** Flexion of Pinky Finger

**Innervation:** Ulnar Nerve
**Flexor Pollicis Brevis**

**Action:** Flexion of Thumb  
**Innervation:** Median Nerve
Lumbricals

**Action:** Flexion of Metacarpalphalangeal Joints  
**Innervation:** Median Nerve (i-ii); Ulnar Nerve (iii-iv)
Opponens Digitii Minimi

**Action:** Opposition

**Innervation:** Ulnar Nerve
Opponens Pollicis

**Action:** Opposition

**Innervation:** Median Nerve

*Deep to Abductor Pollicis & Flexor Pollicis*
Palmar Interossei

**Action:** Adduction of Fingers

**Innervation:** Ulnar Nerve

*Deep structures, not visible on this hand*

**Remember 3rd finger is midline**
References

- Photo source: https://nyamcenterforhistory.org/tag/andreas-vesalius/
- Kurt McBurney’s Epic Notes & Drawings!
MEDD 422 ANATOMY

KURT MCBURNEY, ASSOCIATE TEACHING PROFESSOR - IMP
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Proof of Permission for Cadaveric Photos

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Thank you,

Kurt McBurney
LABORATORY 7

~

LOWER URINARY TRACT
## INDEX

### OSTEOLOGY
- Anterior Superior Iliac Spine
- Coccyx
- Greater Sciatic Foramen
- Greater Sciatic Notch
- Hip (Pelvic) Bone
- Iliac Crest
- Iliac Fossa
- Ilium
- Ischial Spine
- Ischial Tuberosity
- Ischiopubic (Pubic) Arch
- Lesser Sciatic Foramen
- Lesser Sciatic Notch
- Obturator Foramen
- Pubic Crest
- Pubic Symphysis
- Pubic Tubercle
- Sacrospinous Ligament
- Sacrotuberous Ligament
- Sacrum
- Dorsal Artery of Penis
- Dorsal Nerve of Penis
- Epididymis
- External Iliac Artery
- Genital Branch of Genitofemoral Nerve
- Genitofemoral Nerve (L1 & 2)
- Glans Penis
- Gluteus Maximus
- Ilioinguinal Nerve (L1)
- Inferior Epigastric Vessels
- Inferior Rectal Nerve
- Internal Iliac
- Internal Pudendal Artery and Vein
- Interureteric Crest
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- Levator Ani

### ANATOMY
- Anal Triangle
- Bulb of Penis
- Bulbospongiosus Muscle
- Cavernous Artery
- Common Iliac Artery
- Corpus Cavernosum
- Corpus Spongiosum
- Cremaster Muscle and Fascia
- Crus of Penis
- Dorsal Artery of Penis
- Dorsal Nerve of Penis
- Epididymis
- External Iliac Artery
- Genital Branch of Genitofemoral Nerve
- Genitofemoral Nerve (L1 & 2)
- Glans Penis
- Gluteus Maximus
- Ilioinguinal Nerve (L1)
- Inferior Epigastric Vessels
- Inferior Rectal Nerve
- Internal Iliac
- Internal Pudendal Artery and Vein
- Interureteric Crest
- Ischiocavernosus Muscle
- Ischiorectal Fossa
- Levator Ani
INDEX cont.

Membranous Urethra  
Navicular Fossa  
Obturator Artery  
Pampiniform Plexus of Veins  
Penile Urethra  
Perineal Membrane  
Perineal Nerve  
Preprostatic Urethra  
Prostate Gland  
Prostatic Urethra  
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Urinary Bladder Apex  
Urinary Bladder Fundus  
Urinary Bladder Neck  
Urinary Bladder Trigone  
Urogenital Triangle

Uvula  
Vas Deferens  
Vesicular Arteries

*Items in red are not labeled in slide package
Structures in View:

Ala Of Sacrum
Pubic Symphysis
Ischiopubic Arch
Sacroiliac Joint
 Obturator Foramen
Pubic Tubercle
Pubic Crest
Pelvic Osteology

Structures in View:

- Coccyx
- Ischial Tuberosity
- Anal Triangle
- Obturator Internus
- Levator Ani
Structures in View:

- Gluteal Surface
- Obturator Foramen
- Iliac Crest
- Ischial Spine
- Ischial Tuberosity
- Greater Sciatic Notch
- Lesser Sciatic Notch
Anterior Superficial Abdominal Wall

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- Rectus Abdominis
- Rectus Sheath
- Inguinal Ligament
- Spermatic Cord
- Base Of Penis
- Superficial Inguinal Ring
- Position Of Deep Inguinal Ring
- Conjoint Tendon (Position Of)
Kidneys and Vasculature

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- Abdominal Aorta
- Inferior Vena Cava
- Kidneys
- Renal Veins
- Right Psoas Muscle
- Inferior Mesenteric Artery
- Superior Mesenteric Artery
- Right Gonadal Artery and Vein
Structures in View:

Sacrum
Sacrotuberous Ligament
Sacrospinous Ligament (Deep To Sacrotuberous)
Sciatic Nerve from Greater Sciatic Foramen
Piriformis Muscle
Ischial Tuberosity
Pudendal Nerve
Male Pelvis

Structures in View:

- Sacrum
- Urinary Bladder
- Prostate
- Seminal Vesicle
- Urethra
- Vas Deferens
- Rectum
- Ureter
Male Pelvis

Structures in View:

- Common Iliac Artery
- Internal Iliac Artery
- External Iliac Artery
- Superior Gluteal Artery
- Inferior Gluteal Artery
- Vas Deferens
- Superior Vesicular Artery
Male Pelvis

Structures in View:

Pre-Prostatic Urethra
Prostatic Urethra
Membranous Urethra
Spongy Penile Urethra
Corpus Cavernosum
Corpus Spongiosum
Male Gonad

Structures in View:

Testis
Tail Of Epididymis
Body Of Epididymis
Head Of Epididymis
Spermatic Cord
Vas Deferens
Female Pelvis

Structures in View:

Urinary Bladder
Vesicouterine Pouch
Uterus
Rectum
Rectouterine Pouch
Vagina
Urethra
Cervix
Female Pelvis

Structures in View:

- Ovary
- Suspensory Ligament Of Ovary
- Ligament Of Ovary
- Round Ligament Of Uterus
- Broad Ligament (Comprised Of 3 Parts)
- Mesosalpinx (Covering Fallopian Tube)
- Mesovarium (Covering Ovary)
- Mesometrium (Covering Uterus)
- Bladder
Female Pelvis

Structures in View:

- Common Iliac Artery
- Internal Iliac Artery
- Obliterated Umbilical Artery
- Obturator Artery
- Pudendal Artery
- Uterine Artery
- Superior Vesicular Artery
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