

2020 Internal Medicine Review Course Syllabus

Allergy & Immunology: Page 13, Asthma — "Rule of 2s"

Text currently reads:	Text should read:
Control	Control
 Degree to which the manifestations 	 Degree to which the manifestations
of asthma are minimized and the goal	of asthma are minimized and the goal
of therapy are met	of therapy are met
 Impairment: Symptom frequency 	 Impairment: Symptom frequency
 > 2× daily symptoms per week 	 > 2× daily symptoms per week
 > 2× nightly symptoms per month 	 > 2× nightly symptoms per month
 >2x need for short-acting 	 > 2× weekly need for short-acting
β-agonist	β-agonist
Risk: Morbidity	Risk: Morbidity
 > 2× emergency department visits 	 > 2× emergency department visits
or hospitalizations per year	or hospitalizations per year

Allergy & Immunology: Page 19, Immunodeficiencies

Text currently reads:	Text should read:
Congenital Agammaglobulinemia	Congenital Agammaglobulinemia
a.k.a. Bruton's or X-linked	a.k.a. Bruton's or X-linked
 Mutation in Bruton tyrosine kinase → 	 Mutation in Bruton tyrosine kinase →
Arrested B-cell development	Arrested B-cell development
 Recurrent sinopulmonary and 	 Recurrent sinopulmonary and
ear infections	ear infections
 Encapsulated organisms 	 Encapsulated organisms
 Staphylococcus, Streptococcus, 	 Staphylococcus, Streptococcus,
Meningococcus, Hemophilus	Meningococcus, <mark>Haemophilus</mark>
 Enteroviral infection; giardia infection 	 Enteroviral infection; Giardia infection
 Diagnosis: No antibodies; no B cells 	 Diagnosis: No antibodies; no B cells
 Treatment: IVIG or SQIG \pm prophylactic 	 Treatment: IVIG or SQIG \pm prophylactic
antibiotics	antibiotics



Allergy & Immunology: Page 19, Immunodeficiencies

Text currently reads:	Text should read:
Common Variable Immunodeficiency	Common Variable Immunodeficiency
 Failure on B-cell maturation into plasma 	 Failure on B-cell maturation into plasma
cells	cells
 Recurrent sinopulmonary and ear 	 Recurrent sinopulmonary and ear
infections	infections
 Encapsulated organisms 	 Encapsulated organisms
 Staphylococcus, Streptococcus, 	 Staphylococcus, Streptococcus,
Meningococcus, Hemophilus	Meningococcus, <mark>Haemophilus</mark>
 Bronchiectasis 	 Bronchiectasis
 Enteroviral infection; giardia infection 	 Enteroviral infection; Giardia infection
 Increased risk of autoimmune disease 	 Increased risk of autoimmune disease
and malignancy	and malignancy
 Diagnosis: low IgG with low IgA or low 	 Diagnosis: low IgG with low IgA or low
IgM; low B cells	IgM; low B cells
$ullet$ Treatment: IVIG or SQIG \pm prophylactic	$ullet$ Treatment: IVIG or SQIG \pm prophylactic
antibiotics	antibiotics

Allergy & Immunology:

Page 20, Audience Response Answers and Explanatory Information — AR 4

Text currently reads:	Text should read:
Explanation: The correct answer is D.	Explanation: The correct answer is D.
The patient most likely developed contact	The patient most likely developed contact
dermatitis from poison oak/ivy, consistent	dermatitis from poison oak/ivy, consistent
with a Type 4 delayed hypersensitivity reaction.	with a Type 4 delayed hypersensitivity reaction.
A. Type 1: Describes IgE-mediated reactions like anaphylaxis.	A. Type 1: Describes IgE-mediated reactions like anaphylaxis.
B. Type 2: Describes immunoglobulin- or antibody-mediated reactions like idiopathic/immune thrombocytopenic purpura.	B. Type 2: Describes immunoglobulin- or antibody-mediated reactions like immune thrombocytopenic purpura (ITP; formerly idiopathic thrombocytopenic purpura).
C. Type 3: Describes immune complex (antibody:antigen)-mediated disorders like serum sickness.	C. Type 3: Describes immune complex (antibody:antigen)-mediated disorders like serum sickness.
D. Type 4: Describes delayed cell-mediated immune reactions like contact dermatitis.	D. Type 4: Describes delayed cell-mediated immune reactions like contact dermatitis.



Allergy & Immunology:

Page 21, Audience Response Answers and Explanatory Information — AR 10

Text currently reads:	Text should read:
Explanation: The correct answer is C.	Explanation: The correct answer is C.
This vignette describes a classic case of serum	This vignette describes a classic case of serum
sickness.	sickness.
A. Type 1: Describes IgE-mediated reactions	A. Type 1: Describes IgE-mediated reactions
like anaphylaxis.	like anaphylaxis.
B. Type 2: Describes immunoglobulin-	B. Type 2: Describes immunoglobulin-
or antibody-mediated reactions like	or antibody-mediated reactions like
idiopathic/immune thrombocytopenic	immune thrombocytopenic purpura.
purpura.	C. Type 3: Describes immune complex
C. Type 3: Describes immune complex	(antibody:antigen)-mediated disorders
(antibody:antigen)-mediated disorders	like serum sickness.
like serum sickness.	D. Type 4: Describes cell-mediated immune
D. Type 4: Describes cell-mediated immune	reactions like celiac disease.
reactions like celiac disease.	

Cardiology:

Page 30, Hyperlipidemia > In CAL the HIGH DR was MODERN!

Text currently reads:	Text should read:
* Continue statins persons > 75 years of age	* Continue statins persons > 75 years of age
who have clinical ASCVD and are tolerating	who have clinical ASCVD and are tolerating
statin therapy	statin therapy
\$ if HIGH intensity contraindicated/side effects,	\$ if HIGH intensity contraindicated/side effects,
try moderate-intensity statin therapy	try moderate-intensity statin therapy
% if 10-yr ASCVD risk ≥ 20 use HIGH-intensity	% if 10-yr ASCVD risk ≥ 20 use HIGH-intensity
statin	statin
# Nonstatin Rx: 1st ezetimibe (10 mg) inhib. chol.	# Nonstatin Rx: 1st ezetimibe (10 mg) inhib. chol.
intestinal absorb.; If LDL not lowered 50%,	intestinal absorb.; If LDL not lowered 50%,
consider ezetimibe + statin with long half-life	consider ezetimibe + statin with long half-life
1–3 times/wk; e.g., rosuvastatin 20 mg twice/wk	1–3 times/wk; e.g., rosuvastatin 20 mg twice/wk
2 nd PCSK9 inhibitor (evolocumab, alirocumab)	2 nd PCSK9 inhibitor (evolocumab, alirocumab).
@ Also consider bile acid sequestrants	If elevated triglyceride levels despite statin
(colesevelam, cholestyramine, colestipol)	therapy, and cardiovascular disease or diabetes
	and multiple other risk factors, add icosapent
	ethyl (highly purified fish oil).
	@ Also consider bile acid sequestrants
	(colesevelam, cholestyramine, colestipol)



Cardiology: Page 41, AR 14

Text currently reads:	Text should read:
A 51 yo man with MR is inactive and has a desk	A 51 yo man with MR is inactive and has a desk
job. He denies symptoms. He watches movies	job. He denies symptoms. He watches movies
and drinks beer on weekends.	and drinks beer on weekends.
PE: BMI 32 kg/m ² , BP 115/70 mmHg, pulse	PE: BMI 32 kg/m², BP 115/70 mmHg, pulse
80 bpm.	80 bpm.
CVS: PMI diffuse 5 th ICS midclavicular line and	CVS: PMI diffuse 5 th ICS midclavicular line and
forceful, with a grade 4/6 systolic murmur heard	forceful, with a grade 4/6 systolic murmur heard
loudest at apex, radiating to the axilla.	loudest at apex, radiating to the axilla.
CXR: Prominent LV ECG: NSR, LAE, borderline LVH	CXR: Prominent LV; ECG: NSR, LAE,
TTE: Thickened myxomatous mitral valve, severe	borderline LVH
mitral regurgitation; EF 45%; LV end-systolic	TTE: Thickened myxomatous mitral valve, severe
dimension = 4.8 cm.	mitral regurgitation; EF 45%; LV end-systolic
	dimension = 4.8 cm.

Cardiology: Page 52, AR 19

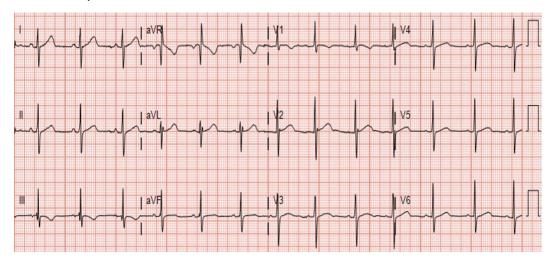
Text currently reads:	Text should read:
A 59 yo Hispanic male patient had a large	A 59 yo Hispanic male patient had a large
anterior STEMI 1 year ago, LVEF 15%,	anterior STEMI 1 year ago, LVEF 15%,
s/p 3-V CABG. He is retired, paints, and does	s/p 3-V CABG. He is retired, paints, and does
other activities of daily living.	other activities of daily living.
Meds: Carvedilol, valsartan/sacubitril, aspirin,	Meds: Carvedilol, valsartan/sacubitril, aspirin,
clopidogrel, furosemide, eplerenone, and	clopidogrel, furosemide, eplerenone, and
atorvastatin. Physical: HR 70 bpm,	atorvastatin. Physical: HR 70 bpm,
BP 125/85 mmHg, R 16 breaths/min	BP 125/85 mmHg, R 16 breaths/min
CVS: S1 S2 S3	CVS: S1 S2 S3
LUNGS: CTA Extremities: < 1 mm pedal edema;	LUNGS: CTA bilaterally;
ECG: NSR 70 bpm, old anterolateral MI	Extremities: < 1 mm pedal edema;
Echo (1 month ago): LVEF 29%, anterolateral	ECG: NSR 70 bpm, old anterolateral MI
hypokinesis, moderately dilated left vent	Echo (1 month ago): LVEF 29%, anterolateral
	hypokinesis, moderately dilated left vent



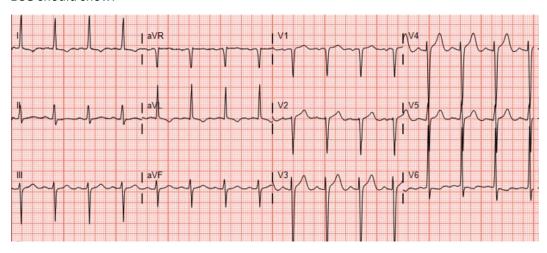
Cardiology:

Page 69, Left Axis Deviation

ECG currently shows:



ECG should show:

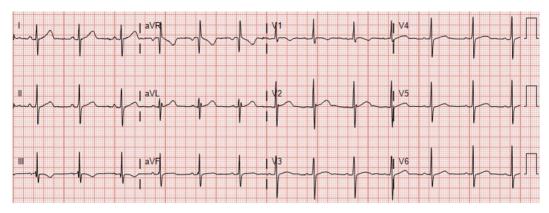




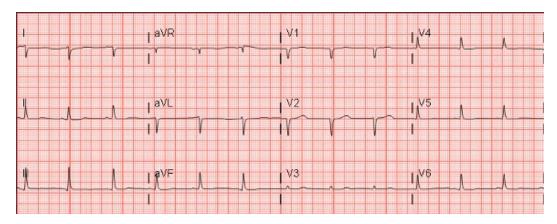
Cardiology:

Page 69, Right Axis Deviation

ECG currently shows:



ECG should show:

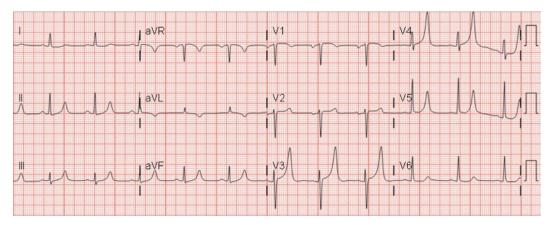




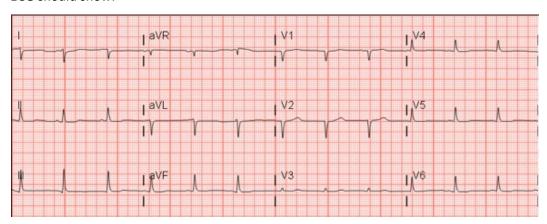
Cardiology:

Page 73, Wolff-Parkinson-White Pattern (Preexcitation)

ECG currently shows:



ECG should show:





Dermatology:

Page 7, Acne Vulgaris

Text currently reads:	Text should read:
 Affects 85% of adolescents 	 Affects 85% of adolescents
 12% of women continue to get lesions 	 12% of women continue to get lesions
through their 40s	through their 40s
 Predisposing factor is 	 Predisposing factor is
hyperresponsiveness to androgens	hyperresponsiveness to androgens
(e.g., polycystic ovary syndrome)	(e.g., polycystic ovary syndrome)
Main types:	Main types:
 Comedonal (noninflammatory) 	 Comedonal (noninflammatory)
 Occlusion of follicles 	 Occlusion of follicles
 Inflammatory (papulopustular) 	 Inflammatory (papulopustular)
 Directed against 	 Directed against
Propionibacterium acnes, excess	Propionibacterium acnes, excess
sebum around hair follicle,	sebum around hair follicle,
follicular plugging	follicular plugging
Severe nodulocystic	 Severe nodulocystic
(know isotretinoin)	(know isotretinoin)

Dermatology:

Page 13, Erythema Multiforme (EM)



Endocrinology:

Page 10, Cushing's — Diagnostic Workup

Text currently reads:	Text should read:
 Screen → Confirm → Localize 	 Screen → Confirm → Localize
Screen	Screen
 24-hour urine free cortisol; 	 24-hour urine free cortisol;
Pitfall: Depression, alcoholism, false+	Pitfall: Depression, alcoholism, false+
1-mg overnight dexamethasone	2) 1-mg overnight dexamethasone
suppression test; Pitfall: Estrogen	suppression test; Pitfall: Estrogen
increased CBG false+	increases CBG, false+
Late-night salivary cortisol;	Late-night salivary cortisol;
Pitfall: Shift workers??	Pitfall: Shift workers??
 Confirm abnormal test 	Confirm abnormal test

Endocrinology:

Page 18, Fibrates

Text currently reads:	Text should read:
 Decrease TG and raise HDL (small effect on LDL) Gemfibrozil is the only fibrate with demonstrated CV benefit (Helsinki heart, VA-HIT) Was vs. placebo Fenofibrate, while more effective for reducing TG and less statin interaction, did not show benefit in RCTs (ACCORD) for 2° prevention 	 Decrease TG and raise HDL (small effect on LDL) Gemfibrozil is the only fibrate with demonstrated CV benefit (Helsinki heart, VA-HIT) Gemfibrozil vs. placebo Fenofibrate, while more effective for reducing TG and less statin interaction, did not show benefit in RCTs (ACCORD) for 2° prevention
 Myopathy risk alone and especially when gemfibrozil + statins 	 Myopathy risk alone and especially when gemfibrozil + statins

Endocrinology:

Page 19, Diagnosis of Type 2 DM

Text currently reads:	Text should read:
 Random glucose ≥ 200 mg/dL with symptoms of DM (polyuria, polydipsia, 	 Random glucose ≥ 200 mg/dL with symptoms of DM (polyuria, polydipsia,
weight loss)	weight loss, polyphagia)
 Fasting plasma glucose ≥ 126 mg/dL × 2 	 Fasting plasma glucose ≥ 126 mg/dL × 2
 Glucose ≥ 200 mg/dL on 2-hour OGTT 	 Glucose ≥ 200 mg/dL on 2-hour OGTT
 HbA1c ≥ 6.5% × 2 	 HbA1c ≥ 6.5% × 2



Gastroenterology: Page 17, Diarrhea

Text currently reads:	Text should read:
> 200–250 g/day of stool, where	> 200–250 g/day of stool, where
normal is 150–180 g	normal is 150-180 g/day
 Normal stool frequency is 3/day 	 Normal stool frequency is 3/day
to 3/week	to 3/week
General divisions	General divisions
Acute: ≤ 2 weeks	Acute: ≤ 2 weeks
 Persistent: 2–4 weeks 	 Persistent: 2–4 weeks
Chronic: > 4 weeks	Chronic: > 4 weeks

General Internal Medicine:

Page 5, Medications in Osteoporosis

Text currently reads:	Text should read:
 Glucocorticoids 	 Glucocorticoids
 Antiseizure medications (phenobarbital, 	 Antiseizure medications (phenobarbital,
phenytoin, carbamazepine)	phenytoin, carbamazepine)
 Drugs associated with hypogonadism 	 Drugs associated with hypogonadism
(depo medroxyprogesterone, GnRHs,	(depot medroxyprogesterone, GnRHs,
aromatase inhibitors, methotrexate,	aromatase inhibitors, methotrexate,
chronic opioids)	chronic opioids)
 Thyroid over-replacement 	 Thyroid overreplacement
 Cyclosporine 	 Cyclosporine
Lithium	Lithium
	• PPI

General Internal Medicine: Page 9, Testicular Abnormalities

Text currently reads:	Text should read:
Painful mass: emergency!	Painful mass: emergency!
 Torsion (testicular or testicular 	 Torsion (testicular or testicular
appendage)	appendage)
 Epididymitis/Epididymoorchitis 	 Epididymitis/Epididymoorchitis
Hematocele	Hematocele
Nonpainful:	 Nonpainful mass:
Hydrocele	Hydrocele
Varicocele	Varicocele
– Hernia	– Hernia
 Testicular cancer 	 Testicular cancer
Skin cysts	Skin cysts



General Internal Medicine:

Page 13, Perioperative Medicine — Management > Heparin Bridging

Text currently reads:	Text should read:
 Diabetes agents 	 Diabetes agents
 Oral hypoglycemics — stop 24–72 hours before surgery depending upon half-life of drug and risk of hypoglycemia No short acting the morning 	 Oral hypoglycemics — stop 24–72 hours before surgery depending upon half-life of drug and risk of hypoglycemia No short-acting insulin the morning
of surgery - Basal insulin — continue same dose or reduce to 2/3	of surgery - Basal insulin — continue same dose or reduce to 2/3

General Internal Medicine: Page 14, Adult Immunization Schedule

Table currently reads:

Age	Schedule
Young adults	Completion of childhood immunizations
	(MMR, Tdap or Td, polio, Hep A and B)
11–26 and 26–45 (males too!)	HPV vaccine
Every year	Influenza
Every 10 years	Tdap once, then Td booster
> 60	Recombinant Zoster vaccine (2-dose series spaced 2–6 months apart)

Table should read:

Age	Schedule
Young adults	Completion of childhood immunizations
	(MMR, Tdap or Td, polio, Hep A and B)
11–26 and 26–45 (males too!)	HPV vaccine
Every year	Influenza
Every 10 years	Tdap once, then Td booster
> 50	Recombinant Zoster vaccine (2-dose series
	spaced 2–6 months apart)



General Internal Medicine:

Page 17, Poisoning and Overdose Antidote

Table currently reads:

Age	Schedule
Acetaminophen	<i>N</i> -acetylcysteine
Narcotics	Naloxone
Benzodiazepines	Flumazenil*
Nitrates	Methylene blue
Iron	Deferoxamine
Methanol, glycols	Fomepizole
Organophosphates	Atropine/Pralidoxime (2-PAM)
Cyanide	Nitrates, sodium thiosulfate

^{*}Flumazenil not recommended for someone who is a chronic user of benzodiazepines, as it can induce seizure

Table should read:

Age	Schedule
Acetaminophen	<i>N</i> -acetylcysteine
Narcotics	Naloxone
Benzodiazepines	Flumazenil*
Nitrites	Methylene blue
Iron	Deferoxamine
Methanol, glycols	Fomepizole
Organophosphates	Atropine/Pralidoxime (2-PAM)
Cyanide	Nitrites, sodium thiosulfate

^{*}Flumazenil not recommended for someone who is a chronic user of benzodiazepines, as it can induce seizure

General Internal Medicine:

Page 19, Acute Sinusitis — Therapy

Text currently reads:	Text should read:
Decongestants/Saline irrigation 1st line amovicillin/slavulanate/2 g bid	Decongestants/Saline irrigation 1st line amovicillin/slavulanate/2 g bid
 1st line — amoxicillin/clavulanate (2 g bid in areas with ≥ 10% PRSP, ≥ 65 years of age, hospitalization in last 5 days, severe, antibiotic use in previous month, multiple comorbidities, immunocompromised) 	 1st line — amoxicillin/clavulanate (2 g bid in areas with ≥ 10% PRSP, ≥ 65 years of age, hospitalization in last 5 days, severe, antibiotic use in previous month, multiple comorbidities, immunocompromised)
 Alternative: doxycycline, levofloxacin, moxifloxacin 	 Alternative: doxycycline, levofloxacin, moxifloxacin
 5- to 7-day duration of therapy 	 5- to 7-day duration of therapy
 TMP/SMX, macrolides, no longer recommended 	 TMP/SMX or macrolides no longer recommended



General Internal Medicine:

Page 19, Drugs to Absolutely Avoid During Pregnancy

Text currently reads:	Text should read:
 Isotretinoin 	Isotretinoin
 ACE inhibitors, ARBs, and spironolactone 	ACE inhibitors, ARBs, and spironolactone
 Benzodiazepines 	Benzodiazepines
 Quinolones and tetracyclines 	 Quinolones and tetracyclines
 Tetracyclines 	Tetracyclines
 Nitroprusside 	 Nitroprusside
Warfarin	Warfarin

General Internal Medicine:

Page 20, Preconception Care

Text currently reads:	Text should read:
 All women of childbearing age — 50% of pregnancies are unplanned! Folate (400 mg normally, 4 g high risk) Immunizations (TDaP, flu, VZV, MMR) Environmental toxins, domestic violence Review all meds and preexisting 	 All women of childbearing age — 50% of pregnancies are unplanned! Folate (400 mg normally, 4 g high risk) Immunizations (Tdap, flu, varicella, MMR) Environmental toxins, domestic violence
conditions	 Review all meds and preexisting conditions

General Internal Medicine: Page 21, SLE and Pregnancy

Text currently reads:	Text should read:	
 Normal fertility, but miscarriage rate 	Normal fertility, but miscarriage rate	
1.5–3× increased	1.5–3× increased	
 Anti-Ro(SSA) or anti-La (SSB) antibodies 	 Anti-Ro(SSA) or anti-La (SSB) antibodies 	
in the mother are associated with	in the mother are associated with	
neonatal lupus and congenital	neonatal lupus and congenital	
heart block	heart block	
 If SLE active (especially with renal 	 If SLE active (especially with renal 	
involvement) or	involvement) or if APLA+ or anti-	
 if APLA+ or anti-dsDNA+, increased risk 	dsDNA+, increased risk of SLE flares	
of SLE flares and fetal problems	and fetal problems	
 Treat with steroids or 	 Treat with steroids or 	
hydroxychloroquine	hydroxychloroquine	
Avoid methotrexate	Avoid methotrexate	



Infectious Disease: Page 10, Babesiosis

Text currently reads:	Text should read:
Clinical manifestations	Clinical manifestations
 1- to 4-week incubation period 	 1- to 4-week incubation period
Asymptomatic (~40%)	Asymptomatic (~40%)
 Mild disease (< 4% parasitemia): 	 Mild disease (< 4% parasitemia):
fever, malaise, hemolysis,	fever, malaise, hemolysis,
thrombocytopenia, transaminase	thrombocytopenia, transaminase
elevations, jaundice	elevations, jaundice
 Severe disease (≥ 4% parasitemia): 	Severe disease (≥ 4% parasitemia):
asplenic, immunocompromised	asplenic, immunocompromised,
ARDS, DIC, AKI, altered mental status	ARDS, DIC, AKI, altered mental status

Infectious Disease: Page 13, Coccidioidomycosis

Figure currently reads:

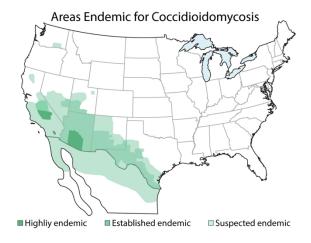
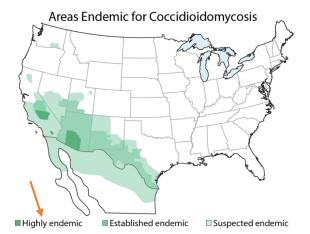


Figure should read (corrected spelling error):



Infectious Disease: Page 39, Zika Virus 2020

Text currently reads:	Text should read:	
• <u>Transmission</u>	• <u>Transmission</u>	
 Aedes mosquito-borne Flavivirus 	 Aedes mosquito-borne Flavivirus 	
 ~ Dengue, Ebola, yellow fever 	family	
	 ~ Dengue, Ebola, yellow fever 	



Infectious Disease:

Page 49, This Patient's Severity Scores

Figure currently reads:

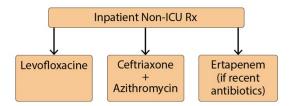
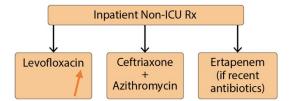


Figure should read (corrected spelling error):



Nephrology:

Page 8, Cryoglobulinemic GN

Text currently reads:	Text should read:
<u>Pearl</u>	<u>Pearl</u>
Purpuric rash	Purpuric rash
Raynaud Phenomenon	Pseudo-Raynaud Phenomenon
C4 is depressed, whereas C3 levels are low	C4 is depressed, whereas C3 levels are low
normal. Renal disease may improve with Rx of	normal. Renal disease may improve with Rx of
hepatitis C.	hepatitis C.

Nephrology:

Page 8, Nephritis with Normal Complements — ANCA Vasculitis and Anti-GBM

Text currently reads:	Text should read:
 Granulomatosis with polyangiitis 	 Granulomatosis with polyangiitis
(formerly Wegener's)	(formerly Wegener's)
URTI (sinusitis, epistaxis)	URTI (sinusitis, epistaxis)
 LRTI (infiltrates, cavitary 	 LRTI (infiltrates, cavitary lesions,
lesions, DAH)	DAH, consolidation)
C-ANCA → anti-PR3	C-ANCA → anti-PR3



Nephrology:

Page 9, Focal Segmental Glomerulosclerosis — Clinical Clues and Features

Text currently reads:	Text should read:
 Most common primary renal disease in African Americans Patient usually hypertensive; Usually progresses to ESRD over 5–20 years Primary (idiopathic) Secondary etiologies Familial — Gene mutations (APOI1) Drugs — Intravenous heroin, pamidronate 	 Most common primary renal disease in African Americans Patient usually hypertensive; Usually progresses to ESRD over 5–20 years Primary (idiopathic) Secondary etiologies Familial — Gene mutations (APOL1) Drugs — Intravenous heroin, pamidronate
parvovirus	parvovirus
 Infections — HIV (collapsing FSGS)**, 	 Infections — HIV (collapsing FSGS)**,
 Adaptive — Reflux nephropathy, obesity 	 Adaptive — Reflux nephropathy, obesity

Nephrology:

Page 12, Calcium and the Risk of Symptomatic Kidney Stones in Males

Table currently reads:

	Group 1	Group 2	Group 3	Group 4	Group 5
Calcium intake (mg)	< 605	605–722	723–848	849-1,049	> 1,050
Incidence/100,000 Person/yr	435	310	279	266	243
Multivariate RR (95% Cl ⁻)	1.0	0.74 (0.57–0.97)	0.68 (0.52–0.90)	0.68 (0.51–0.90)	0.66 (0.49–0.90)

Table should read (removed negative symbol; CI = confidence interval, not chloride):

	Group 1	Group 2	Group 3	Group 4	Group 5
Calcium intake (mg)	< 605	605–722	723–848	849–1,049	> 1,050
Incidence/100,000 Person/yr	435	310	279	266	243
Multivariate RR (95% CI) ◀	1.0	0.74 (0.57–0.97)	0.68 (0.52–0.90)	0.68 (0.51–0.90)	0.66 (0.49–0.90)



Nephrology:

Page 19, Approach to Hyponatremia

Text currently reads:	Text should read:
 Measure plasma osmolality → Need to know P_{Osm} When low, defines true hypoosmolal state or clinical hyponatremia If high → Plasma glucose; If normal → Protein and lipids 	 Measure plasma osmolality → Need to know Posm When low, defines true hypoosmolar state or clinical hyponatremia If high → Plasma glucose; If normal → Protein and lipids

Nephrology:

Page 22, Hyperkalemia > Hyperkalemia — Inhibitors of the Renin-Angiotensin-Aldosterone System

Image should show potassium going out instead of going in (see arrow):

| Angiotensin | Angiotensin

Neurology:

Page 9, Stroke > Ischemic Strokes > Ischemic Stroke — ASA 2018 Guidelines

Text currently reads:	Text should read:
 Systemic thrombolytics 	 Systemic thrombolytics
NIHSS > 4	NIHSS > 4
 Acute ischemic stroke < 4.5 hours 	 Acute ischemic stroke < 4.5 hours
 3–4.5 hours (exclude if > 80 years of 	 3–4.5 hours (exclude if > 80 years of
age, DM, and prior ischemic stroke,	age, DM, and prior ischemic stroke,
anticoagulation, NIHSS > 25)	anticoagulation, NIHSS > 25)
BP cannot be > 185/110 mmHg	BP cannot be > 185/110 mmHg
 No tPA exclusion criteria 	 No absolute tPA exclusion criteria



Pulmonary Medicine:

Page 8, AR 6

Text currently reads:	Text should read:
A 47-year-old man is evaluated for worsening of	A 47-year-old man is evaluated for worsening of
asthma symptoms characterized by frequent	asthma symptoms characterized by frequent
daytime wheezing and cough, as well as	daytime wheezing and cough, as well as
nocturnal awakening related to asthma 2–3 times	nocturnal awakening related to asthma 2–3 times
per week.	per week.
He has been using his inhalers regularly without	He has been using his inhalers regularly without
adequate relief. He has not had recent URI	adequate relief. He has not had recent URI
infection, sinusitis, postnasal drip, or new	infection, sinusitis, postnasal drip, or new
exposures. He is taking an inhaled corticosteroid	exposures. He is taking an inhaled corticosteroid
and inhaled albuterol.	and inhaled albuterol.
On exam, temp 98.6°F , BP 135/80, HR 80, and	On exam, temp 98.6°F (37°C), BP 135/80, HR 80,
RR 18. Lung exam reveals scattered bilateral	and RR 18. Lung exam reveals scattered bilateral
wheezing. Spirometry shows an FEV1 of 70%	wheezing. Spirometry shows an FEV1 of 70% of
of predicted. Following an inhaled	predicted. Following an inhaled bronchodilator,
bronchodilator, FEV1 improves to 90% of	FEV1 improves to 90% of predicted.
predicted.	

Pulmonary Medicine:

Page 27, Exudative vs. Transudative

Text currently reads:	Text should read:
• pH	• pH
 pH > 7.0 suggests complicated 	 pH < 7.20 suggests complicated
effusion and possible need for chest	effusion and possible need for chest
tube or seen in RA	tube or seen in RA

Rheumatology:

Page 4, Joint Swelling vs. Bony Enlargement

Text currently reads:	Text should read:
MCPs + PIPIs	MCPs + PIPIs
Spongy/Boggy/	Spongy/Boggy/Painful
Painful	 DIPs spared
 DIPs spared 	 Wrist swelling
Wrist swelling	= Inflammatory arthritis (like RA)
= Inflammatory arthritis (like RA)	



Rheumatology:

Page 17, AR 7

Text currently reads:	Text should read:
22-year-old African American female with	22-year-old African American female with
a 1-year h/o arthralgias, alopecia, fatigue with	a 1-year h/o inflammatory arthritis, alopecia,
sun exposure, +ANA, +RNP. WBC 3.1. U/A noted	fatigue with sun exposure, +ANA, +RNP. WBC 3.1.
RBC casts and 3+ proteinuria.	U/A noted RBC casts and 3+ proteinuria.