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Preparing for the American Board  
of Pathology (ABPath)  
Examination of Fundamental  
Knowledge and Skills

## Forensic Pathology

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*Content Specifications*

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## 3 Overview:

### 4 Forensic Pathology Content Specifications

5 This guide outlines the content that may appear on the American Board of Pathology’s Forensic  
6 Pathology Subspecialty exam. It provides a framework based on the knowledge and skills typically  
7 covered in Fellow-level training, along with applicable Core and Advanced Resident topics from  
8 residency training that the trainee is expected to know or be able to perform.

#### 9 Key to Designations:

10 C = Core/Foundational Knowledge

11 AR = Advanced Resident Knowledge

12 F = Fellow/Advanced Practitioner Knowledge

13 The exam assesses the knowledge, judgment, skills, and abilities necessary to identify specific entities,  
14 properly process specimens, and diagnose and monitor diseases using methods common in the practice  
15 of Forensic Pathology. The specific diseases, tests, and concepts listed in this document are important  
16 for candidates to know, but it is not possible to create a fully comprehensive list of all the material  
17 needed for certification and effective practice. Candidates should use this guide as a reference for  
18 preparing for certification and professional practice.

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75      **1. Natural Deaths** C

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77      **2. Pediatric Deaths**

78              a. Deaths Associated with Prematurity C

79              b. Congenital Anomalies, Common C

80              c. Placental Disorders Associated with Intrauterine Fetal Demise C

81              d. Congenital Anomalies, Complex AR

82              e. Central Nervous System, Normal Anatomy & Variations AR

83              f. Cardiovascular System, Normal Anatomy & Variations AR

84              g. Respiratory System AR

85              h. Hepatic, Gastrointestinal, Pancreatic System AR

86              i. Hematopoietic / Lymphatic System AR

87              j. Genitourinary System AR

88              k. Endocrine System AR

89              l. Skin AR

90              m. Bones and Joints, Normal Anatomy & Variations AR

91              n. Bleeding Diathesis / Thrombotic Disorders AR

92              o. Immune Deficiency Disorders AR

93              p. Nutritional Deficiencies AR

94              q. Infectious Disease/ Microbiology AR

95              r. Neoplastic Conditions AR

96              s. Genetic Diseases AR

97              t. Fluid and Electrolyte Disturbances F

98              u. Unnatural Deaths in Childhood

99                  i. Estimation of Gestational Maturity AR

100                ii. Birth-related Injuries AR

101                iii. Stillbirth versus Livebirth F

102                iv. Placental Injuries F

103                v. Feticide F

104                vi. Neonaticide F

105                vii. Child Abuse / Non-accidental Injuries F

106                viii. Blunt Trauma F

107                ix. Retinal hemorrhages F

108                x. Patterned Injuries F

109                xi. Bite Marks F

110                xii. Thermal Injuries F

111	xiii. Poisoning	F
112	xiv. Forensic Imaging	F
113	xv. Neglect	F
114	xvi. Malnourishment	F
115	xvii. Asphyxia, including smothering suffocation, choking, wedging)	F
116		
117		
118	<b>3. The Cardiovascular System</b>	
119	a. Normal Anatomy	C
120	b. Atherosclerosis	C
121	c. Myocardial Infarction	C
122	d. Hypertensive Cardiovascular Disease	C
123	e. Valvular Diseases	C
124	f. Aortic Dissection	C
125	g. Aortic Aneurysm	C
126	h. Vasculitides	AR
127	i. Myocarditis	AR
128	j. Sarcoidosis	AR
129	k. Dilated Cardiomyopathy	AR
130	l. Hypertrophic Cardiomyopathy	AR
131	m. Tumors	AR
132	n. Congenital Diseases	AR
133	o. Amyloid	AR
134	p. Pericardial Diseases	AR
135	q. Nonatherosclerotic Coronary Artery Diseases/Anomalies	F
136	r. Arrhythmogenic Cardiomyopathy	F
137	s. Aortopathy	F
138	t. Sudden Cardiac Death	F
139	u. Cardiac Dysrhythmias	F
140		
141	<b>4. Chronic Alcoholism</b>	
142	a. Steatosis	C
143	b. Cirrhosis	C
144	c. Esophageal Varices	C
145	d. Steatohepatitis	AR
146	e. Cardiomyopathy	AR
147	f. Coagulopathy	AR
148	g. Infectious Complications	AR
149	h. Mallory Weiss Tear	F
150	i. Cerebellar Vermal Atrophy	F
151	j. Alcohol Withdrawal and Sudden Death	F
152	k. Nutritional Complication	F
153	l. Fluid / Electrolyte Disturbances	F
154		
155	<b>5. The Central Nervous System</b>	
156	a. Cerebrovascular Disease	C

157	b. Aneurysms	C
158	c. Hypertensive Intracerebral Hemorrhage	C
159	d. Meningitis	C
160	e. Normal Anatomy and Variations	AR
161	f. Malformations	AR
162	g. Neoplasms	AR
163	h. Vascular Malformations	AR
164	i. Encephalitis	AR
165	j. Pituitary Disorders	AR
166	k. Transmissible Spongiform Encephalopathies	AR
167	l. Demyelinating Diseases	AR
168	m. Degenerative Diseases	AR
169	n. Phakomatoses	AR
170	o. Toxic and Acquired Metabolic Diseases	F
171	p. Seizure Disorders	F
172		
173	<b>6. The Respiratory System</b>	
174	a. Pulmonary Infections	C
175	b. Pulmonary Thromboembolism	C
176	c. Diffuse Alveolar Damage	C
177	d. Tobacco & Vaping-Induced Lung Damage	C
178	e. Emphysema	C
179	f. Pneumothoraces	AR
180	g. Pneumoconioses	AR
181	h. Hypersensitivity Pneumonitis	AR
182	i. Pulmonary Hypertension	AR
183	j. Sarcoidosis	AR
184	k. Pulmonary Hemorrhage Syndromes	AR
185	l. Neoplasms	AR
186	m. Interstitial Lung Disease	AR
187	n. Asthma	F
188	o. Drug-Induced Lung Disease	F
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190	<b>7. The Genitourinary System</b>	
191	a. Obstructive Uropathy, including Prostate and Calculi	C
192	b. Congenital Anomalies	AR
193	c. Glomerular Diseases	AR
194	d. Tubulointerstitial and Renal Cystic Diseases	AR
195	e. Thrombotic Microangiopathies	AR
196	f. Neoplasms	AR
197	g. Genital Tract Disorders	AR
198	h. Bladder Diseases	AR
199	i. Infections	AR
200		
201	<b>8. The Hematopoietic/Lymphatic System</b>	
202	a. Leukemia / Lymphoma	AR
203	b. Hemoglobinopathies	AR

204	c. Bleeding Diathesis / Thrombotic Disorders	AR
205	d. Amyloidosis	AR
206		
207	<b>9. The Hepatic, Gastrointestinal, and Pancreatic System</b>	
208	a. Gastric / Duodenal Ulcers	C
209	b. Bile Duct / Gallbladder Disorders	C
210	c. Pancreatitis	C
211	d. Diabetes Mellitus	C
212	e. Enterocolitis	AR
213	f. Vascular Disorders	AR
214	g. Inflammatory Bowel Disease	AR
215	h. Neoplasms	AR
216	i. Hepatitis	AR
217	j. Inborn Errors of Metabolism	AR
218		
219	<b>10. The Endocrine System</b>	
220	a. Pituitary Disorders	AR
221	b. Thyroid Disorders	AR
222	c. Parathyroid Disorders	AR
223	d. Adrenal Diseases	AR
224		
225	<b>11. The Skin and Nails</b>	
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227	b. Cutaneous Manifestations of Therapy	AR
228	c. Cutaneous Manifestations of Systemic Disease	AR
229	d. Common Neoplasms	AR
230	e. Common Infections	AR
231	f. Cutaneous Manifestations of Substance Abuse	F
232		
233	<b>12. Bones, Joints, and Soft Tissue</b>	
234	a. Degenerative Diseases	AR
235	b. Metabolic Diseases	AR
236	c. Pathologic Fractures	AR
237	d. Primary and Metastatic Neoplasms	AR
238	e. Common Infections	AR
239	f. Common Inflammatory Conditions	AR
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241	<b>13. Peripheral Nerve and Skeletal System</b>	
242	a. Specimen Procurement and Preparation	C
243		
244	<b>14. Infectious Disease / Microbiology</b>	
245	a. Specimen Procurement and Preparation	C
246	b. Bacterial Infections	C
247	c. Mycobacterial Infections	C
248	d. Viral Infections	C
249	e. Fungal Infections	C

250	f. Parasitic Infections	AR
251	g. Zoonoses	AR
252		
253	<b>15. Immune Deficiency Disorders (Primary &amp; Secondary)</b>	AR
254		
255	<b>16. Obesity</b>	C
256		
257	<b>17. Medicolegal Investigation of Natural Deaths</b>	F
258		
259	<b>18. Mechanisms of Traumatic Death</b>	F
260	(e.g., Types of Shock, Blood Loss, Neurogenic, Embolic)	
261		
262	<b>19. Blunt Trauma</b>	
263	a. Abrasions, Contusions, and Lacerations	AR
264	b. Epidural Hematoma	AR
265	c. Subdural Hematoma	AR
266	d. Subarachnoid Hemorrhage	AR
267	e. Herniation	AR
268	f. Fat Emboli	AR
269	g. Dating of Injuries	F
270	h. Patterned Injuries	F
271	i. Defensive Injuries	F
272	j. Skull Fractures	F
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276	n. Sequelae of Traumatic Brain Injury	F
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278	p. Vascular Injury	F
279	q. Spinal Cord Injury	F
280	r. Commotio Cordis	F
281	s. Visceral Injuries	F
282	t. Fractures	F
283	u. Healing of Fractures	F
284	v. Medical Complications of Injuries	F
285	w. Fat Embolization Syndrome	F
286	x. Human Bite Marks	F
287	y. Animal Bite Marks	F
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289	<b>20. Asphyxia</b>	
290	a. Hanging	AR
291	b. Suffocation	F
292	c. Choking	F
293	d. Manual Strangulation	F
294	e. Ligature Strangulation	F
295	f. Positional, Mechanical, and Traumatic Asphyxia	F



296	g. Asphyxia by Gases	F
297	h. Petechiae	F
298		
299	<b>21. Firearm-Related Injuries</b>	
300	a. Entrance Wounds	AR
301	b. Exit Wounds	AR
302	c. Contact Wounds	AR
303	d. Wound Ballistics	F
304	e. Atypical Entrance Wounds	F
305	f. Graze Wounds	F
306	g. Shored Exit Wounds	F
307	h. Range of Fire Estimation	F
308	i. Intermediate Target Ballistics	F
309	j. Near-Contact Wounds	F
310	k. Close/Intermediate Wounds	F
311	l. Cylinder Gap	F
312	m. Stippling	F
313	n. Intermediate (Distant) Wounds	F
314	o. Ricochet Wounds	F
315	p. Bullet Wipe	F
316	q. Handgun-Related Injuries	F
317	r. Rifle-Related Injuries	F
318	s. Shotgun-Related Injuries	F
319	t. Airgun-Related Injuries	F
320	u. Delayed Firearm-Related Deaths	F
321	v. Ammunition	F
322	w. DNA of Tissue on Bullets	F
323	x. Retained Bullets	F
324	y. Lead Poisoning	F
325	z. Less Lethal Ammunition	F
326	aa. Nail Gun Injuries	F
327	bb. Homemade (Zip) Guns	F
328	cc. Detection of Gunshot Residue	F
329	dd. Radiography of Gunshot Wounds	F
330		
331	<b>22. Bombs and Explosions</b>	
332	a. Mechanical Injuries	F
333	b. Atmospheric Blast Injuries	F
334	c. Classification of Blast Injuries	F
335		
336	<b>23. Sharp Injuries (Cutting &amp; Stabbing)</b>	
337	a. Stab Wounds	AR
338	b. Incised Wounds	AR
339	c. Incised Wounds of the Neck	F
340	d. Defensive and Hesitation Injuries	F
341	e. Chop Wounds	F
342	f. Sharp Injury caused by objects other than a knife	F

343	g. Patterned Injuries-Sharp	F
344	h. Toolmark Identification	F
345	i. Antemortem versus Postmortem Wounds	F
346	j. Dismemberment	F
347		
348	<b>24. Electrical and Lightning Injuries</b>	
349	a. Basic Concepts of Electricity	F
350	b. Alternating Current Related Deaths	F
351	c. Direct Current Related Deaths	F
352	d. Low and High Voltage Electrocution	F
353	e. Lightning Related Deaths	F
354	f. Cutaneous Manifestations	F
355	g. Conducted Energy Device (e.g., TASER)	F
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357	<b>25. Anaphylaxis Related Deaths</b>	
358	a. Gross and Microscopic Findings	F
359	b. Laboratory Diagnostics	F
360		
361	<b>26. Deaths due to Change in Atmosphere (i.e., Barotrauma)</b>	F
362		
363	<b>27. Environmental Exposure Deaths</b>	
364	a. Hypothermia	F
365	b. Hyperthermia	F
366	c. Heat Stroke	F
367		
368	<b>28. Fire / Thermal/ Burn Injuries</b>	
369	a. Carbon Monoxide	AR
370	b. Identification of Fire Victims	F
371	c. Smoke and Fume Inhalation	F
372	d. Thermal Burns	F
373	e. Scalding Injuries	F
374	f. Thermal Artifacts	F
375	g. Arson Investigation	F
376	h. Self Immolation	F
377	i. Flash Fires	F
378	j. Chemical Burns	F
379		
380	<b>29. Radiation Exposure</b>	F
381		
382	<b>30. Forensic Toxicology and Postmortem Chemistry</b>	
383	a. Specimen Types, Collection, and Storage	AR
384	b. Ethanol	AR
385	c. Common Illicit Drugs (e.g., heroin, fentanyl, cocaine, methamphetamine)	AR
386	d. Alcohols other than Ethanol	F
387	e. Body Packing	F

388	f. Stimulants	F
389	g. Hallucinogens	F
390	h. Novel Psychoactive Substances	F
391	i. Over the Counter Drugs	F
392	j. Prescription Drugs (e.g., Insulin, Digoxin)	F
393	k. Opioids/Opiates	F
394	l. Sedatives/Hypnotics	F
395	m. Synthetic Cannabinoids	F
396	n. Mixed Drug Toxicity	F
397	o. Herbal Remedies	F
398	p. Inhalants	F
399	q. Carbon Monoxide	F
400	r. Ethylene Glycol	F
401	s. Poisons (e.g., Arsenic, Cyanide)	F
402	t. Anesthetics	F
403	u. Acids and Bases	F
404	v. Vitreous Chemistry	F
405	w. Entomotoxicology	F
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407	<b>31. Toxicologic Analytic Methods</b>	
408	a. Methodology	F
409	b. Screening Tests	F
410	c. Confirmatory Tests	F
411		
412	<b>32. Interpretive Toxicology</b>	
413	a. Postmortem Redistribution	F
414	b. Drug Interactions	F
415	c. Metabolism and Pharmacogenetics	F
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417	<b>33. Environmental and Industrial Toxicology</b>	
418	a. Organophosphate Toxicity	F
419	b. Volatile Organic Compounds	F
420	c. Aromatic Halogenated Compounds	F
421	d. Metals	F
422	e. Pesticides	F
423		
424	<b>34. Identification of Human Remains</b>	
425	a. Fingerprints	F
426	b. Tattoos	F
427	c. Forensic Radiology	F
428	d. Dental Identification	F
429	e. Disaster Victim Identification	F
430	f. Missing and Unidentified Persons	F
431	g. Dental Age Estimation	F
432	h. DNA Identification	F
433	i. Unique Physical Characteristics	F

434		
435	<b>35. Postmortem Changes and Artifacts</b>	
436	a. Rigor Mortis	C
437	b. Livor Mortis	C
438	c. Algor Mortis	C
439	d. Common Postmortem Artifacts	AR
440	e. Time of Death/Postmortem Interval	F
441	f. Postmortem Insect Activity	F
442	g. Postmortem Animal Activity	F
443	h. Postmortem Trauma	F
444	i. Chemical Changes in Body Fluids	F
445	j. Forensic Entomology	F
446	k. Collection of Entomological Evidence	F
447	l. Embalming	F
448	m. Exhumation	F
449	n. Cremations	F
450	o. Decomposition	F
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452	<b>36. Forensic Anthropology</b>	
453	a. Human Osteology	F
454	b. Gender Determination	F
455	c. Age Estimation	F
456	d. Ancestry Assessment	F
457	e. Stature Estimation	F
458	f. Trauma Effects and Tool Mark Analysis	F
459	g. Taphonomy of Fire	F
460	h. Animal Scavenging	F
461	i. Nonhuman Remains	F
462		
463	<b>37. Elder Abuse</b>	
464	a. Neglect	F
465	b. Blunt Trauma	F
466	c. Drug Toxicity	F
467	d. Malnutrition	F
468	e. Dehydration	F
469	f. Pressure Ulcers	F
470	g. Sexual Abuse	F
471		
472	<b>38. Pregnancy-Related Deaths</b>	
473	a. Pulmonary Artery Thromboembolism	AR
474	b. Amniotic Fluid Embolism	AR
475	c. Coronary Artery Dissection	AR
476	d. Preeclampsia/Eclampsia/HELLP Syndrome	AR
477	e. Coagulation Disorders	AR
478	f. Utero-Placental Hemorrhage	AR
479	g. Infection	AR

480	h. Venous Air Embolism	F
481	i. Peripartum Cardiomyopathy	F
482	j. Acute Fatty Liver of Pregnancy	F
483		
484	<b>39. Sex-Related Deaths</b>	
485	a. Sexual Assault	F
486	b. Trace Evidence	F
487	c. Bite Marks	F
488	d. DNA Analysis	F
489	e. Criminal Abortion	F
490	f. Autoerotic Deaths	F
491	g. Special Procedures (e.g., Dissection & Evidence Collection)	F
492	h. Drug-Facilitated	F
493		
494	<b>40. Complications of Diagnostic and Therapeutic Procedures</b>	
495	a. Resuscitation Artifacts	AR
496	b. Surgical/Medical Complications / Intervention Artifact	AR
497		
498	<b>41. Water-Related Deaths</b>	
499	a. Natural Deaths while in Water	F
500	b. Drowning	F
501	c. Near Drowning	F
502	d. S.C.U.B.A related	F
503	e. Injuries Sustained in the Water	F
504	f. Dangerous Aquatic Life	F
505	g. Bodies Found in Water	F
506		
507	<b>42. Acute Stress Related Deaths</b>	
508	a. Acute Psychotic Episodes	F
509	b. Excited/Agitated States	F
510	c. Stimulant Drug Toxicity	F
511	d. Physical Altercations/Restraint Related	F
512	e. Stress-Related Sudden Death	F
513		
514	<b>43. Mental Illness Related Mortality</b>	
515	a. Schizophrenia	F
516	b. Depression/Bipolar	F
517	c. Eating Disorders	F
518	d. Medical Management Complications	F
519	e. Substance Use Disorder	F
520		
521	<b>44. Jurisprudence and Certification of Death</b>	
522	a. Death Certification	C
523	b. Proximate Cause of Death	C
524	c. Contributory Conditions	C
525	d. Mechanisms of Death	AR

526	e. Manner of Death	AR
527	f. Death from Remote Events	F
528	g. Undetermined Manner of Death	F
529	h. Forensic Pathologist as Expert Witness	F
530	i. Degrees of Certainty for Manner Determination	F
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532	<b>45. Criminalistics</b>	
533	a. Chain of Custody	AR
534	b. Crime Scene	F
535	c. Scene Integrity	F
536	d. Blood Stain Pattern Interpretation	F
537	e. Biological Evidence on the Body	F
538	f. Trace Evidence	F
539		
540	<b>46. Bioterrorism and Chemical Agents</b>	F
541		
542	<b>47. Molecular Pathology</b>	
543	a. Thrombophilias	AR
544	b. Hemoglobinopathies	AR
545	c. DNA for Identification	F
546	d. Sudden Unexplained Deaths	F
547	e. Preservation of Samples	F
548		
549	<b>48. Transportation Related Deaths</b>	
550	a. Scene Investigation	F
551	b. Pedestrian Deaths	F
552	c. Motor Vehicle Deaths	F
553	d. Determination of the Driver	F
554	e. Ejected or Entrapped Occupant	F
555	f. Run Over by Vehicle	F
556	g. Seat Belt and Airbag Related Injuries	F
557	h. Motor Vehicle Fires	F
558	i. Motorcycle Related Deaths	F
559	j. Bicycle Related Deaths	F
560	k. Train Related Deaths	F
561	l. Aircraft	F
562	m. Aircraft Crash Scene	F
563		
564	<b>49. In-Custody Deaths</b>	F
565		
566	<b>50. Postmortem Radiology</b>	
567	a. Plain Film Radiography	F
568	b. Computed Tomography	F
569	c. Documentation of Injuries	F
570	d. Decedent Identification	F
571	e. Foreign Body Identification	F

572	f. Pediatric Skeletal Surveys	F
573	g. Stillborn versus Live Born Imaging	F
574		
575	<b>51. Selected Topics/Management in Forensic Pathology</b>	
576	a. Medicolegal Autopsy Report	F
577	b. Administration and Management	F
578	c. Quality Assurance	F
579	d. Autopsy Hazards	F
580	e. Regulations and Safety	F
581	f. Mass Disasters	F
582	g. Organ/Tissue Procurement	F
583		
584	<b>52. Autopsy Procedures</b>	
585	a. Evisceration Techniques	AR
586	b. Leg Vein Dissection	AR
587	c. Spinal Cord Removal, Anterior and Posterior	AR
588	d. Layered Anterior and Posterior Neck	F
589	e. Orbital Exenteration	F
590	f. Vertebral Artery	F
591	g. Facial Tissue Dissection	F
592	h. Posterior Subcutaneous Examination	F
593	i. Middle Ear Dissection	F
594	j. Cardiac Conduction System	F
595	k. Medical Device Evaluation	F
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597		