

# Statistical Report: CCSP® and DACBSP® Examinations April 2024 Administration

Prepared for:

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# **Executive Summary**

This report provides a summary of the results for the fall 2024 administration of the two certifications offered by the American Chiropractic Board of Sports Physicians™ (ACBSP™): Certified Chiropractic Sports Physician® (CCSP®) and Diplomate of the American Chiropractic Board of Sports Physicians® (DACBSP®). A total of 61 candidates took the CCSP® and 5 candidates took the DACBSP®. Items were flagged based on statistical considerations or candidates' comments, reviewed by experts, and some were rescored with credit to all examinees if determined flawed. The rescored results are presented in this report. Given the small sample sizes, the coefficient alpha reliability indices were strong (0.86 for CCSP®; not calculable for DACBSP®) and the pass rates were in line with historical rates, providing validity evidence for the quality of the examinations.

## Introduction

#### The CCSP® and DACBSP®

The American Chiropractic Board of Sports Physicians™ (ACBSP™) provides two certifications to the field: Certified Chiropractic Sports Physician® (CCSP®) and Diplomate of the American Chiropractic Board of Sports Physicians® (DACBSP®). ACBSP™ administers the CCSP® and DACBSP® exams twice each year. Both consist of 200 4-option multiple choice items in a linear format, in two sections.

#### **April 2024 Administration**

The tests were delivered on April 20, 2024, with live remote proctoring using two video streams per candidate. After the tests were delivered, an initial psychometric analysis was performed. Items with very low difficulty (P-value) or discrimination (point-biserial) were flagged for review by content experts. Items with specific comments left by examinees were also flagged. Any items deemed to have issues by the experts were granted credit to examinees. Examinees were then rescored with the updated parameters.

## **Standard Setting & Equating**

For both the CCSP® and DACBSP® the pass/fail standard for each form was set in the past with the modified-Angoff method, and this administration was equated to it.

The average Angoff value for the items in a form was calculated, and when multiplied by the number of items, a raw cutscore was determined. In the interest of fairness to the candidates, one standard error of measurement (SEM) was then subtracted to arrive at the final standard.

The National Commission for Certifying Agencies (NCCA) recommends that cutscores be set with a standard-setting approach like Bookmark or modified-Angoff, but only periodically. For continuous usage, they recommend that a statistical equating procedure be employed. *Equating* means that the actual data be analyzed, comparing performance on overlapping and non-overlapping items.

There are several approaches that can be used to equate forms. The ACBSP™ program uses the non-equivalent group with anchor test (NEAT) design using nominal weights equating (Babcock, Albano, & Raymond, 2012) as this method has been shown to work well with samples sized less than 100.

#### **April 2024 Exam Cutscores**

The cutscore for the April 2024 CCSP® exam was 143 and the cut score for the April 2024 DACBSP® exam was 130.

# **Psychometric Performance**

The following table provides summary statistics across each form of the exams. Candidates performed very well, with high mean scores and pass rates, comparable to past administrations of these exams. The most important result in these tables is the coefficient alpha reliability index, which summarizes the consistency or repeatability of the measurement process onto a scale of 0 (random numbers) to 1 (perfect measurement). It was 0.87 for the CCSP®, which is sufficiently reliable. The sample size was too low with DACBSP® to calculate this coefficient.

Table 3. Summary statistics for each ABSCP™ exam

Statistic	Exam		
Statistic	CCSP®	DACBSP®	
Examinees	61	5	
Items	200	200	
Mean	141.89	128.60	
SD	14.89	7.33	
Min	98	119	
Max	170	138	
Pass rate			
Alpha	0.86	NA	
SEM	5.54	NA	

<sup>\*</sup> Note: Statistics are calculated after any problematic items are removed due to statistical and/or content issues.

The tables below provide summary statistics of examinee performance on the domains of each test

Table 4. Summary statistics on the CCSP® domains

CCSP® Domain	Items	Mean	Min	Max
01A. Concepts of a Sports Physician (IA)	24	16.95	12	22
01B. Exercise Physiology (IB)	17	11.56	8	15
01C. Clinical Biomechanics (IC)	18	12.79	6	17
01D. Sports Nutrition (ID)	14	11.15	7	14
01E. Environment and the Athlete (IE)	10	5.80	1	10
01F. Medical Legal Aspects (IF)	10	8.79	6	10
02A. Clinical Competency (IIA)	61	47.87	30	57
02B. Diagnostic Imaging (IIB)	14	8.31	3	13
02C. CPR and Emergency Procedures (IIC)	11	5.30	1	9
02D. Special Clinical Considerations (IID)	10	6.79	3	9
02E. Adjunctive Therapy (IIE)	11	6.59	2	11

Table 5. Summary statistics on the DACBSP® domains

DACBSP® Domains	Items	Mean	Min	Max
01. Exercise Physiology (I)	8	3.40	3	5
02. Rehabilitation Concepts and their Application to Athletes (II)	16	9.60	8	11
03. Sport Specific Biomechanics (III)	7	5.40	4	7
04. Diagnostics in Sports Medicine (IV)	7	5.40	5	6
05. Evaluation and Management of Soft Tissue Injuries (IX)	21	13.80	12	17
06. Functional and Supportive Taping, Bracing and Splinting (V)	8	5.00	3	6
07. Biopsychosocial Considerations (VI)	7	6.00	5	7
08. Sports Equipment and Technology (VII)	4	2.20	1	3
09. Advanced Principles of Joint Manipulation (VIII)	10	5.80	4	8
10. Special Populations in Sport (X)	32	17.60	14	23
11. Emergency Procedures (XI)	18	13.20	11	14
12. Sports Medicine Research (XII)	5	4.20	3	5
13. Team Physicians Concepts (XIII)	25	17.00	15	21
14. Anti-doping and Pharmacology in Sports Medicine (XIV)	4	2.60	2	3
15. Concussion (XV)	19	12.40	11	13
16. Nutrition (XVI)	4	2.20	1	3
17. Preparticipation Examination (XVII)	5	2.80	2	3

# **Program Statistics**

To sit for the ACBSP™ exams, candidates must first complete extensive training at a university with a relevant training program. Candidates list this in their application process. The tables below provide student performance results for each program. Detailed reports, which can be provided to the schools are provided in Appendix A.

Table 6. Program Statistics for the CSSP®

Program	Fail	Pass	Program Mean
DC Online	63.6%	36.4%	139.21
Life College (Marietta, Ga)	50.0%	50.0%	145.00
Logan University	33.3%	66.7%	143.00
Northeast College of Health Sciences Formerly NYCC	50.0%	50.0%	140.25
Northwestern Health Sciences University	25.0%	75.0%	144.25
Parker College of Chiropractic		100.0%	145.00
Southern California University of Health Sciences	100.0%		132.00
University of South Florida		100.0%	160.00
University of Vermont		100.0%	151.00
University of Western States	33.3%	66.7%	149.00
Weber State University		100.0%	148.00

<sup>\*\*</sup> Other includes individuals that reported they held different types of certifications or individuals who had no program indicated.

Table 6: Program Statistics for the DACBSP®

Program	Fail	Pass	Program Mean
DC Online	33.3%	66.7%	131.33
Logan University		100.0%	130.00
Southern California University of Health Sciences	100.0%		119.00

# **Summary**

April 2024 was a successful administration of the CCSP® and DACBSP® examinations. Both test forms used in the administration met psychometric adequate standards. The proctoring process encountered no major issues; as seen by the comments in Appendix B, most comments were positive or neutral, which means that no issues were encountered. Some candidates have suggestions which could be considered.

# **Appendix A: Statistics for the CCSP® Exam**

#### PERFORMANCE ON THE APRIL 2024 CCSP® EXAM ACROSS PROGRAMS

Listed below is the performance on the April 2024 CCSP® exam grouped by program. Each table shows the average performance for the program compared to the average performance across all programs. Also listed are the total numbers of items for each examination.

#### DC ONLINE

CCSP® Domain	Items	Mean	Min	Max
01A. Concepts of a Sports Physician (IA)	24	17.03	12	22
01B. Exercise Physiology (IB)	17	11.27	8	15
01C. Clinical Biomechanics (IC)	18	12.55	6	17
01D. Sports Nutrition (ID)	14	10.73	7	14
01E. Environment and the Athlete (IE)	10	5.73	1	10
01F. Medical Legal Aspects (IF)	10	8.79	6	10
02A. Clinical Competency (IIA)	61	47.06	30	54
02B. Diagnostic Imaging (IIB)	14	8.42	4	12
02C. CPR and Emergency Procedures (IIC)	11	5.12	1	9
02D. Special Clinical Considerations (IID)	10	6.67	4	9
02E. Adjunctive Therapy (IIE)	11	5.85	2	9
TOTAL	200	139.21	98	170

## LIFE COLLEGE (MARIETTA, GA)

CCSP® Domain	Items	Mean	Min	Max
01A. Concepts of a Sports Physician (IA)	24	16.50	15	18
01B. Exercise Physiology (IB)	17	11.00	9	13
01C. Clinical Biomechanics (IC)	18	12.00	10	14
01D. Sports Nutrition (ID)	14	11.00	11	11
01E. Environment and the Athlete (IE)	10	4.50	4	5
01F. Medical Legal Aspects (IF)	10	9.00	8	10
02A. Clinical Competency (IIA)	61	51.50	46	57
02B. Diagnostic Imaging (IIB)	14	10.00	9	11
02C. CPR and Emergency Procedures (IIC)	11	7.00	6	8
02D. Special Clinical Considerations (IID)	10	5.00	3	7
02E. Adjunctive Therapy (IIE)	11	7.50	6	9
TOTAL	200	145.00	129	161

#### LOGAN UNIVERSITY

CCSP® Domain	Items	Mean	Min	Max
01A. Concepts of a Sports Physician (IA)	24	17.17	14	20
01B. Exercise Physiology (IB)	17	11.17	11	12
01C. Clinical Biomechanics (IC)	18	12.33	8	16
01D. Sports Nutrition (ID)	14	11.50	9	13
01E. Environment and the Athlete (IE)	10	6.83	4	8
01F. Medical Legal Aspects (IF)	10	8.50	8	9
02A. Clinical Competency (IIA)	61	47.83	40	55
02B. Diagnostic Imaging (IIB)	14	7.50	3	10
02C. CPR and Emergency Procedures (IIC)	11	5.67	2	9
02D. Special Clinical Considerations (IID)	10	6.83	5	8
02E. Adjunctive Therapy (IIE)	11	7.67	5	10
TOTAL	200	143.00	118	163

#### NORTHEAST COLLEGE OF HEALTH SCIENCES

CCSP® Domain	Items	Mean	Min	Max
01A. Concepts of a Sports Physician (IA)	24	16.25	14	21
01B. Exercise Physiology (IB)	17	11.25	8	14
01C. Clinical Biomechanics (IC)	18	11.25	8	14
01D. Sports Nutrition (ID)	14	12.00	10	14
01E. Environment and the Athlete (IE)	10	6.00	5	7
01F. Medical Legal Aspects (IF)	10	8.75	8	10
02A. Clinical Competency (IIA)	61	47.75	43	54
02B. Diagnostic Imaging (IIB)	14	8.25	7	10
02C. CPR and Emergency Procedures (IIC)	11	4.25	3	5
02D. Special Clinical Considerations (IID)	10	7.25	6	8
02E. Adjunctive Therapy (IIE)	11	7.25	6	9
TOTAL	200	140.25	125	153

#### NORTHWESTERN UNIVERSITY

CCSP® Domain	Items	Mean	Min	Max
01A. Concepts of a Sports Physician (IA)	24	16.75	15	18
01B. Exercise Physiology (IB)	17	13.00	11	15
01C. Clinical Biomechanics (IC)	18	13.50	10	16
01D. Sports Nutrition (ID)	14	12.00	10	14
01E. Environment and the Athlete (IE)	10	6.00	5	7
01F. Medical Legal Aspects (IF)	10	8.75	7	10
02A. Clinical Competency (IIA)	61	47.25	43	51
02B. Diagnostic Imaging (IIB)	14	8.50	6	10
02C. CPR and Emergency Procedures (IIC)	11	4.25	4	5
02D. Special Clinical Considerations (IID)	10	7.75	7	9
02E. Adjunctive Therapy (IIE)	11	6.50	5	9
TOTAL	200	144.25	132	155

#### PARKER UNIVERSITY

CCSP® Domain	Items	Mean	Min	Max
01A. Concepts of a Sports Physician (IA)	24	15.50	15	16
01B. Exercise Physiology (IB)	17	12.50	12	13
01C. Clinical Biomechanics (IC)	18	15.50	15	16
01D. Sports Nutrition (ID)	14	11.00	10	12
01E. Environment and the Athlete (IE)	10	5.50	5	6
01F. Medical Legal Aspects (IF)	10	8.00	7	9
02A. Clinical Competency (IIA)	61	49.50	49	50
02B. Diagnostic Imaging (IIB)	14	7.50	7	8
02C. CPR and Emergency Procedures (IIC)	11	5.00	4	6
02D. Special Clinical Considerations (IID)	10	7.00	6	8
02E. Adjunctive Therapy (IIE)	11	8.00	6	10
TOTAL	200	145.00	143	147

#### SOUTHERN CALIFORNIA UNIVERSITY OF HEALTH SCIENCES

CCSP® Domain	Items	Mean	Min	Max
01A. Concepts of a Sports Physician (IA)	24	15.00	15	15
01B. Exercise Physiology (IB)	17	13.00	13	13
01C. Clinical Biomechanics (IC)	18	10.00	10	10
01D. Sports Nutrition (ID)	14	11.00	11	11
01E. Environment and the Athlete (IE)	10	6.00	6	6
01F. Medical Legal Aspects (IF)	10	7.00	7	7
02A. Clinical Competency (IIA)	61	46.00	46	46
02B. Diagnostic Imaging (IIB)	14	6.00	6	6
02C. CPR and Emergency Procedures (IIC)	11	6.00	6	6
02D. Special Clinical Considerations (IID)	10	7.00	7	7
02E. Adjunctive Therapy (IIE)	11	5.00	5	5
TOTAL	200	132.00	132	132

#### UNIVERSITY OF SOUTH FLORIDA

CCSP® Domain	Items	Mean	Min	Max
01A. Concepts of a Sports Physician (IA)	24	17.00	17	17
01B. Exercise Physiology (IB)	17	13.00	13	13
01C. Clinical Biomechanics (IC)	18	16.00	16	16
01D. Sports Nutrition (ID)	14	13.00	13	13
01E. Environment and the Athlete (IE)	10	7.00	7	7
01F. Medical Legal Aspects (IF)	10	9.00	9	9
02A. Clinical Competency (IIA)	61	54.00	54	54
02B. Diagnostic Imaging (IIB)	14	10.00	10	10
02C. CPR and Emergency Procedures (IIC)	11	6.00	6	6
02D. Special Clinical Considerations (IID)	10	7.00	7	7
02E. Adjunctive Therapy (IIE)	11	8.00	8	8
TOTAL	200	160.00	160	160

#### UNIVERSITY OF VERMONT

CCSP® Domain	Items	Mean	Min	Max
01A. Concepts of a Sports Physician (IA)	24	18.00	18	18
01B. Exercise Physiology (IB)	17	10.00	10	10
01C. Clinical Biomechanics (IC)	18	15.00	15	15
01D. Sports Nutrition (ID)	14	10.00	10	10
01E. Environment and the Athlete (IE)	10	6.00	6	6
01F. Medical Legal Aspects (IF)	10	9.00	9	9
02A. Clinical Competency (IIA)	61	48.00	48	48
02B. Diagnostic Imaging (IIB)	14	13.00	13	13
02C. CPR and Emergency Procedures (IIC)	11	7.00	7	7
02D. Special Clinical Considerations (IID)	10	7.00	7	7
02E. Adjunctive Therapy (IIE)	11	8.00	8	8
TOTAL	200	151.00	151	151

#### **UNIVERSITY OF WESTERN STATES**

CCSP® Domain	Items	Mean	Min	Max
01A. Concepts of a Sports Physician (IA)	24	17.33	16	19
01B. Exercise Physiology (IB)	17	12.33	11	14
01C. Clinical Biomechanics (IC)	18	13.67	12	16
01D. Sports Nutrition (ID)	14	12.33	11	14
01E. Environment and the Athlete (IE)	10	5.33	4	8
01F. Medical Legal Aspects (IF)	10	9.33	9	10
02A. Clinical Competency (IIA)	61	50.00	44	55
02B. Diagnostic Imaging (IIB)	14	7.50	5	11
02C. CPR and Emergency Procedures (IIC)	11	6.17	5	8
02D. Special Clinical Considerations (IID)	10	7.17	6	9
02E. Adjunctive Therapy (IIE)	11	7.83	5	11
TOTAL	200	149.00	138	168

#### WEBER STATE UNIVERSITY

CCSP® Domain	Items	Mean	Min	Max
01A. Concepts of a Sports Physician (IA)	24	19.00	19	19
01B. Exercise Physiology (IB)	17	12.00	12	12
01C. Clinical Biomechanics (IC)	18	15.00	15	15
01D. Sports Nutrition (ID)	14	9.00	9	9
01E. Environment and the Athlete (IE)	10	5.00	5	5
01F. Medical Legal Aspects (IF)	10	10.00	10	10
02A. Clinical Competency (IIA)	61	50.00	50	50
02B. Diagnostic Imaging (IIB)	14	8.00	8	8
02C. CPR and Emergency Procedures (IIC)	11	6.00	6	6
02D. Special Clinical Considerations (IID)	10	5.00	5	5
02E. Adjunctive Therapy (IIE)	11	9.00	9	9
TOTAL	200	148.00	148	148

# **Appendix B: Statistics for the DACBSP® Exam**

#### PERFORMANCE ON THE APRIL 2024 DACBSP® EXAM ACROSS PROGRAMS

Listed below is the performance on the April 2024 DACBSP® exam grouped by program. Each table shows the average performance for the program compared to the average performance across all programs. Also listed are the total numbers of items for each examination.

#### DC ONLINE

DACBSP® Domain	Items	Mean	Min	Max
01. Exercise Physiology (I)	8	3.00	3	3
02. Rehabilitation Concepts and their Application to Athletes (II)	16	9.33	8	10
03. Sport Specific Biomechanics (III)	7	6.00	5	7
04. Diagnostics in Sports Medicine (IV)	7	5.33	5	6
05. Evaluation and Management of Soft Tissue Injuries (IX)	21	14.33	12	17
06. Functional and Supportive Taping, Bracing and Splinting (V)	8	5.67	5	6
07. Biopsychosocial Considerations (VI)	7	6.33	6	7
08. Sports Equipment and Technology (VII)	4	2.67	2	3
09. Advanced Principles of Joint Manipulation (VIII)	10	5.33	4	7
10. Special Populations in Sport (X)	32	19.00	16	23
11. Emergency Procedures (XI)	18	13.67	13	14
12. Sports Medicine Research (XII)	5	4.33	4	5
13. Team Physicians Concepts (XIII)	25	16.33	15	18
14. Anti-doping and Pharmacology in Sports Medicine (XIV)	4	2.67	2	3
15. Concussion (XV)	19	12.00	11	13
16. Nutrition (XVI)	4	2.33	1	3
17. Preparticipation Examination (XVII)	5	3.00	3	3
TOTAL	200	131.33	124	138

#### LOGAN UNIVERSITY

DACBSP® Domain	Items	Mean	Min	Max
01. Exercise Physiology (I)	8	3.00	3	3
02. Rehabilitation Concepts and their Application to Athletes (II)	16	11.00	11	11
03. Sport Specific Biomechanics (III)	7	4.00	4	4
04. Diagnostics in Sports Medicine (IV)	7	5.00	5	5
05. Evaluation and Management of Soft Tissue Injuries (IX)	21	14.00	14	14
06. Functional and Supportive Taping, Bracing and Splinting (V)	8	5.00	5	5
07. Biopsychosocial Considerations (VI)	7	6.00	6	6
08. Sports Equipment and Technology (VII)	4	2.00	2	2
09. Advanced Principles of Joint Manipulation (VIII)	10	8.00	8	8
10. Special Populations in Sport (X)	32	17.00	17	17
11. Emergency Procedures (XI)	18	14.00	14	14
12. Sports Medicine Research (XII)	5	5.00	5	5
13. Team Physicians Concepts (XIII)	25	15.00	15	15
14. Anti-doping and Pharmacology in Sports Medicine (XIV)	4	3.00	3	3
15. Concussion (XV)	19	13.00	13	13
16. Nutrition (XVI)	4	3.00	3	3
17. Preparticipation Examination (XVII)	5	2.00	2	2
TOTAL	200	130.00	130	130

#### SOUTHERN CALIFORNIA UNIVERSITY OF HEALTH SCIENCES

DACBSP® Domain	Items	Mean	Min	Max
01. Exercise Physiology (I)	8	5.00	5	5
02. Rehabilitation Concepts and their Application to Athletes (II)	16	9.00	9	9
03. Sport Specific Biomechanics (III)	7	5.00	5	5
04. Diagnostics in Sports Medicine (IV)	7	6.00	6	6
05. Evaluation and Management of Soft Tissue Injuries (IX)	21	12.00	12	12
06. Functional and Supportive Taping, Bracing and Splinting (V)	8	3.00	3	3
07. Biopsychosocial Considerations (VI)	7	5.00	5	5
08. Sports Equipment and Technology (VII)	4	1.00	1	1
09. Advanced Principles of Joint Manipulation (VIII)	10	5.00	5	5
10. Special Populations in Sport (X)	32	14.00	14	14
11. Emergency Procedures (XI)	18	11.00	11	11
12. Sports Medicine Research (XII)	5	3.00	3	3
13. Team Physicians Concepts (XIII)	25	21.00	21	21
14. Anti-doping and Pharmacology in Sports Medicine (XIV)	4	2.00	2	2
15. Concussion (XV)	19	13.00	13	13
16. Nutrition (XVI)	4	1.00	1	1
17. Preparticipation Examination (XVII)	5	3.00	3	3
TOTAL	200	119.00	119	119

# **Appendix C: Examinee Comments**

The following tables provide a summary of examinee comments regarding the exam process; content-specific comments are pulled out and provided to the exam committee during the item review process, before releasing results.

#### **CCSP®** Comments

#### Content

Felt the med legal questions were a good assessment.

Overall, there were some questions that I don't recall learning, but MOST of them seemed to be 'fair' questions for this exam.

I feel as though many (if not the majority) of the test questions asked were not reflections of the course material.

I felt questions were fair and properly worded.

Some questions needed more details to answer correctly

Some wording on certain questions were slightly off or vague

Feel like several questions had multiple answers you could of argued, and several questions were confusing because of them being poorly written.

I felt questions were fair and properly worded.

At least two typos/spelling mistakes noted.

Well thought out and tough questions, but always able to narrow down answers.

#### Logistics

Unable to note specific questions of concern due to lack of scrap paper.

Logistics were fine, some differences between proctor requirements from the practice exam and exam day. I was told my exam location was fine by the initial proctor and today I was told there were a handful of issues.

Test administration was very pleasant. Personally, I feel like instead of having the test at home I would prefer it be at a testing center. I would love to have scratch paper especially for the math question or at least a calculator!

Mathematics based questions should allow for scrap paper, and I believe scrap paper would benefit many examinees overall as well. I cannot list the item number for the questions I had gripes about because I had nowhere to write them down.

I appreciated the test admin procedures and operations. I personally would've been interested in going to a testing site if available such as a prometric.

#### General

Smooth; Great; Convenient; Easy

Smooth process!

Testing procedures were easy and comfortable

I would of preferred to be in a proctoring station.

Admin procedures were great. Probably would prefer to take it at a proctored site - eliminates some of the stresses to taking the exam overall (wifi issues, connectivity, having the correct software and equipment).

Administration procedures were very straight forward.

The administration procedures are intense but seem appropriate to ensure test validity.

#### CCSP® Comments

SCAT5 was reference in the test and has not been updated to SCAT6

Although unaware of how to really study for the test the questions were relevant and some were a bit tricky.

Very difficult to see fracture on foot x-ray.

There were a few typos mixed in the questions. Not a big deal but somewhat distracting

Somewhat fair exam, but certain questions were not clearly worded.

Some of these questions are to open to interpretation based on clinical experience.

I do not have any feedback. I thought the x-ray images provided for the ankle/foot were not of the best quality and different images should have been provided.

I don't have a specific question I'd be referring to but I felt like I prepared heavily for this exam and struggled to feel prepared for it. I would love to have more direction on what to focus on while studying to be the best CCSP possible.

The banners notifications between my Apple devices caused a very disturning glitch. This would be a great step to identify before the examination.

There were a few grammatical errors and numerical errors when listing temperature

Fair amount of questions for the information we learned.

200 questions is quite a bit

There were some questions that did not state to choose the best answer, but did have multiple answers, and they only allowed us to choose one answer. I hope you take this into considerations when grading.

This online proctoring I don't feel is very beneficial to the process at all. I would rather drive somewhere at an early time and take the test than have to install software on my computer that could lock it up, uninstall a bunch of other programs that are vital to the use of my computer, and receive little to no actual instruction before any of this happens. Also, the proctoring system is pretty sketchy. This guy has not once shown his face or turned on his camera. I'd much rather do this the "old fashioned way".

The practice test requirements were different from the real test requirements for me. The proctor during the practice test went straight to the test. However, the proctor for the real test went through more steps to move forward. I would like to see the steps be more consistent for both processes.

I would encourage a greater time prior to the test to sign in and complete the intake process. I logged in at 7:46 PDT and did not start the test until around 8:05.

You should change to a proctored site testing center.

Weblock needs to work at a higher resolution so images can fit in the screen pop ups to enable easier scrolling.

#### DACBSP® Comments

Would like to have been allowed scratch paper to write down specific questions of concern. Difficult to remember after 100 question exam.

good delivery process once weblock was figured out

I wish it was possible to enlarge the radiographs to at least have them been full page rather than a popup box.

Would like to have been allowed scratch paper to write down specific questions of concern. Difficult to remember after 100 question exam.