

LIST OF TABLES

	<u>Page</u>
<u>BACKGROUND INFORMATION</u>	
Table 1	Patrol Officer Duties and Task Groups (1979)..... 25
Table 2	Patrol Officer Physical Job Demands (1985)..... 26
Table 3	Patrol Officer Rates of Critical Physical Activities by Type of Activity (1992)..... 27
Table 4	Entry-Level Uniformed Job Analysis (1998)..... 28
Table 5	Environmental Factors and Working Conditions that can be Associated with Patrol Officer Job Duties..... 30
<u>MEDICAL EXAMINATION AND EVALUATION PROTOCOLS</u>	
CHAPTER I: Cardiovascular System	
Table I-1	New York Heart Association Cardiovascular Classification System, Functional ClassificationI-4
Table I-2	New York Heart Association Cardiovascular Classification System, Therapeutic ClassificationI-4
Table I-3	Relationship of METS and Functional Class According to 5 Treadmill Protocols.....I-7
CHAPTER II: Dermatology	
Table II-1	Description of Primary Skin Lesions II-3
CHAPTER III: Endocrine System	
Table III-1	Risk of a Recurrent Major Hypoglycemic Event After an Initial Occurrence III- 8
Table III-2	Number of Prospectively Observed Hypoglycemic Episodes (39-55 mg%) per Person per Month by Risk Category and Type of Diabetes..... III-8
CHAPTER V: Hematology	
Table V-1	Supplemental Questions for Screening Candidates for a Bleeding Disorder..... V-5

CHAPTER VI: [Oncology](#)

Table VI-1	Toxicity of Anticancer Drugs and Hormones.....	VI-3
Table VI-2	Recommendations for Supplemental Testing of Candidates Who Are at Risk of Delayed Toxicity from Selected Anticancer Drugs.....	VI-5
Table VI-3	Age-Adjusted SEER/5 - Year Survival Rates.....	VI-6

CHAPTER VII: [Infectious Diseases](#)

Table VII-1	1992 Revised CDC HIV Classification System and Expanded AIDS Surveillance Definition for Adolescents and Adults.....	VII-6
Table VII-2	Recent Studies of Survival After Diagnosis of AIDS.....	VII-7
Table VII-3	Risk of Hepatitis B Infection After Exposure to HBeAg+/HBeAb- Blood Without Post-Exposure Prophylaxis.....	VII-12
Table VII-4	Assessment of the Maximal Annual Risk of Substantial Harm to a Suspect Due to the Employment of an Applicant Who is a Chronic HBV or HCV Carrier.....	VII-13
Table VII-5	Rate of HBV Infection Following HBIG Post-Exposure Prophylaxis.....	VII-14

CHAPTER VIII: [Musculoskeletal System](#)

Table VIII-1	Post-Operative Complaints in Patients Who Are Treated by Meniscectomy.....	VIII-21
Table VIII-2	Specific Task Performance (Percentage) in ACL-Disrupted Patients, 5 Years Since Injury.....	VIII-30
Table VIII-3	Pain, Swelling, and Giving Way in Chronic ACL Patients During Activities of Daily Living.....	VIII-31
Table VIII-4	Sports Activity in Patients with Nonoperative Treatment of Isolated ACL Injuries.....	VIII-32
Table VIII-5	Summary of ACL Repair Studies.....	VIII-34

Table VIII-6	Use of >5 mm Side-to-Side Difference on KT-1000 to Distinguish Between "Copers" and "Non-Copers" Following ACL Rupture.....	VIII-40
Table VIII-7	Use of >7.5 mm Side-to-Side Difference on KT-1000 to Distinguish Between "Copers" and "Non-Copers" Following ACL Rupture (Maximum Manual Force).....	VIII-40
Table VIII-8	Limb Symmetry in One-Legged Hop Testing of Normal Patients	VIII-42
Table VIII-9	Development of Instability vs. Time.....	VIII-43
Table VIII-10	Partial ACL Tears	VIII-45
Table VIII-11	Classification of Acromioclavicular Injuries.....	VIII-48
Table VIII-12	Percent of Patients Who Experience at Least One Recurrence of Anterior Dislocation by Age and Years of Follow-Up.....	VIII-51
Table VIII-13	Percent of Patients Who Experience at Least One Recurrence of Anterior Dislocation or Subjective Instability by Age and Years of Follow-Up.....	VIII-52
Table VIII-14	Percent of Patients with No Dislocation Recurrence at Two Years of Follow-Up Who Experience at Least One Recurrence After Three Additional Years of Follow-Up.....	VIII-52

CHAPTER IX: [Neurology](#)

Table IX-1	Evaluation Outline for Assessing Candidates at Increased Risk of Seizure	IX-4
Table IX-2	Annual Probability of Seizure Recurrence After a Single Unprovoked Seizure	IX-5
Table IX-3	Annual Risk of Seizure Recurrence in Newly Diagnosed Epileptic Patients on Medication.....	IX-6
Table IX-4	Multivariate Model for Making Risk Assessments on Candidates Who are 2+ Years Seizure-Free	IX-7

CHAPTER X: [Respiratory System](#)

Table X-1	Classification of Asthma Severity	X- 6
Table X-2	GOLD COPD Classification.....	X- 9

CHAPTER XI: [Vision Guidelines](#)

Table XI-1	Patrol Officer Importance Ratings of 17 Visual Skills.....	XI-3
Table XI-2	Visual Skills Identified by Ontario Police Officers as Essential for Responding to Impaired Drivers, Domestic Disturbances, and Breaking and Entering.....	XI-4
Table XI-3	Percentage Correct Identifications for "Shoot" and "No Shoot" Scenario.....	XI-9
Table XI-4	Critical Task Performance Determined by Decorection Studies	XI-16
Table XI-5	Distribution of Uncorrected Vision in 200 LAPD Applicants with Both Eyes Open	XI-19
Table XI-6	1987 LAPD Vision Questionnaire of Incumbent Police Officers	XI-20
Table XI-7	Percentage of Spectacle Wearers Responding "yes" to Questions about Spectacle Wear While on Duty	XI-20
Table XI-8	Number of Prescription Eyeglass Reimbursement Requests Submitted by CHP During 1979-80 by Job-Related Loss or Breakage Categories	XI-21
Table XI-9	Reported Instances of Negative Consequences Resulting from Use of Spectacles by Officers	XI-22
Table XI-10	Reported Instances Where Spectacles Provided Officers Protection	XI-23
Table XI-11	On-Duty Loss of Use of Contact Lenses.....	XI-25
Table XI-12	Summary of Far Acuity Guidelines	XI-33
Table XI-13	Peter's Relationship Between Manifest Refractive Error and Uncorrected Visual Acuity	XI-35

Table XI-14	Summary of (Post-LASIK) Symptoms Reported Significantly Worse at Six (6) Months	XI-39
Table XI-15	Nomenclature, Classification, and Prevalence in Caucasian Males (Females) of Different Types of Human Color Vision	XI-44
Table XI-16	Examples of Some Commonly Prescribed Drugs Classified According to Color Deficiencies They Reportedly Induce.....	XI-45
Table XI-17	Clinically Distinguishable Differences Between Acquired and Hereditary Color Vision Defects.....	XI-45
Table XI-18	Frequency of Objects in the Critical Incidents where Color was Used for Identification	XI-46
Table XI-19	Percentage of Color Defective Individuals Reporting Difficulty with Color When Driving.....	XI-46
Table XI-20	Sensitivity and Specificity of the D-15 for Various Practical Color-Naming Tasks.....	XI-49
Table XI-21	Color Simulation Test Results	XI-49
Table XI-22	Predictive Values and Percent Correct for Clinical Color Vision Tests in Identifying Color-Defective Individuals Who Can Identify Surface Colors.....	XI-51
Table XI-23	Percentage of Individuals Reporting Difficulty with Everyday Tasks that Involve Color	XI-53

CHAPTER XII: [Hearing Guidelines](#)

Table XII-1	Hearing Related Tasks	XII-3
Table XII-2	Summary of 1998 Subject Matter Expert Panel Ratings of Hearing Related Tasks.....	XII-4
Table XII-3	Distribution of Background Noise Levels for Patrol Duties.....	XII-5
Table XII-4	Expected Speech Comprehension at Various Background Noise Levels and Directionality for Persons with Normal Hearing	XII-6

LIST OF FIGURES & FORMS

	<u>PAGE</u>
<u>MEDICAL EXAMINATION AND EVALUATION PROTOCOLS</u>	
CHAPTER III: Endocrine System	
Pre-Placement Agreement Forms	
Form III-1	Group I, Level 1: Diabetes Controlled with Diet and/or Medication, and A1C <7.0% and Historical Glycemic Levels >65 and <400 mg/dl.III-26
Form III-2	Group I, Level 2: Diabetes Controlled with Diet and/or Medication, and A1C >7.0% or Historical Glycemic Levels Occasionally >400 mg/dl.III-27
Form III-3	Group I, Level 3: Diabetes Controlled with a Sulfonylurea, with A1C <7.0%, and Historical Glycemic Levels < 400 mg/dl.III-29
Form III-4	Group I, Level 4: Diabetes Controlled with a Sulfonylurea, with A1C >7.0%, or Historical Glycemic Levels > 400 mg/dl.III-31
Form III-5	Group 2: Diabetes Controlled with InsulinIII-33
CHAPTER IV: Gastrointestinal System	
Figure IV-1	Histologic Patterns of Liver Inflammation and Necrosis and their Prognostic ImplicationsIV-7
CHAPTER VIII: Musculoskeletal System	
Figure VIII-1	Horizontal Displacement Greater than 3.5 mm of One Vertebra in Relation to an Adjacent VertebraVIII- 6
Figure VIII-2	Rotational Difference Between Adjacent VertebraVIII- 7
Figure VIII-3	McMurray's Test.....VIII-19

Figure VIII-4	The Q Angle Imposes a Lateral Vector on the Terminal Degrees of Extensor Movement	VIII-23
Figure VIII-5	Measurement of Congruence Angle	VIII-26
Figure VIII-6	Lateral Patellofemoral Angle	VIII-26
Figure VIII-7	Patellar CT Measurement of Congruence Angles in Subluxers and Controls.....	VIII-27
Figure VIII-8	Extra-Articular Anterior Cruciate Ligament Reconstruction, Using the Arnold-Coker Iliotibial Band Technique.....	VIII-33
Figure VIII-9	Intra-Articular Reconstruction After Anterior Cruciate Ligament Injury	VIII-33
Figure VIII-10	The Lachman Test.....	VIII-35
Figure VIII-11	Flexion-Rotation Drawer Test.....	VIII-36
Figure VIII-12	KT-1000 Test.....	VIII-37
Figure VIII-13	KT-1000 Measurements	VIII-39

CHAPTER X: [Respiratory System](#)

Figure X-1	Interpretation of Spirometry	X- 4
Figure X-2	Evaluation of Exercise-Induced Bronchoconstriction	X- 7

CHAPTER XI: [Vision Guidelines](#)

Figure XI-1	Percent of Subjects Who Were Able to Identify a Handgun, Cell Phone, Brown Beer Bottle and a Pair of Aviator Style Black Sunglasses in the Daytime or Purse at Night with Various Visual Acuities	XI-10
Figure XI-2	Number of Errors in Identifying Gun vs No Gun from a Distance of 20 ft under Nighttime Viewing Conditions.	XI-11
Figure XI-3	Mean Correct Responses in Identifying Whether a Person Has Either a Firearm or a Distractor Under Typical Room Illumination Levels	XI-12
Figure XI-4	Average Correct Responses for Object Detection and Weapons Identification as Function of Visual Acuity	XI-13

Figure XI-5	Viewing Distance as a Function of Visual Acuity for Facial Recognition and Facial Expression Recognition.....	XI-15
Figure XI-6	Use of a Long Gun behind a Left Barricade.....	XI-17
Figure XI-7	Sample Pre-Placement Agreement Involving Use of Contact Lenses.....	XI-28
Figure XI-8	Non-Compliance of LAPD Officers with Soft Contact Lenses Based on Time Since Hire	XI-29
Figure XI-9	Major Reasons for Lapses or Discontinuation in Contact Lens Wear.....	XI-30
Figure XI-10	Sample Contact Lens Examination Form	XI-37

CHAPTER XII: [Hearing Guidelines](#)

Figure XII-1:	Example of a High-Frequency Notch Audiometric Configuration.....	XII- 8
Figure XII-2:	Example of a Relatively Flat Audiometric Configuration	XII-10