

## NCLE-AC Detailed Outline (Domain; Job Task; Knowledge and Skills)

<b>Prefit, Preparation, and Evaluation (Including patients with complex conditions)</b>	
<b>1.1</b>	<b>Obtain and document the history of patients who have complex ocular conditions that require specialty lenses.</b>
	Knowledge of ocular pathology and physiology
	Knowledge of drugs and diseases/pathogens effecting contact lens wear
	Knowledge of lifestyle factors and their effects on lens wear
	Knowledge of refractive errors
	Knowledge of principles of optics and visual pathways as related to contact lenses
	Knowledge of sources of patient records
	Knowledge of regulations governing the confidentiality of patient
	Knowledge of regulations governing the release of records
	Knowledge of terminology
	Knowledge of external observations
	Knowledge of symptomatology
	Knowledge of general ocular anatomy and physiology
	Knowledge of systemic medications and systematic or ocular diseases that may affect or preclude contact lens wear
	Knowledge of changes in patient health history over time
	Recording data on the patient's record as it relates to the patient's history, prescription, etc.
	Recognizing systemic medications and systemic or ocular diseases that may affect or preclude contact lens wear
	Evaluating changes in patient health history over time
	Methodology used to chart patient records and identify changes in patient's lens care system, disease state, lens parameter/materials, health history, ocular physiology
	Communicating effectively with the patient
	Identifying the possible need for specialty contact lenses
	Data collection, quantification, and analysis
<b>1.2</b>	<b>Assess the technical aspects of the patient's complex ocular status to determine contact lens options.</b>
	Knowledge of ocular pathology and physiology
	Knowledge of drugs and diseases/pathogens effecting contact lens wear
	Knowledge of refractive errors
	Knowledge of principles of optics and visual pathways as related to contact lenses
	Knowledge of instrumentation
	Knowledge of corneal topography
	Knowledge of normal and abnormal findings based on instrument readings and test/evaluation outcomes
	Knowledge of lens/corneal relationship
	Knowledge of fluorescein evaluation procedures (with and without contact lens)
	Knowledge of tear evaluation tests (e.g., Schirmer's, rose bengal)
	Knowledge of procedures to transpose refractive error to minus cylinder
	Knowledge of terminology

## NCLE-AC Detailed Outline (Domain; Job Task; Knowledge and Skills)

	Knowledge of vertex distance
	Knowledge of external observations
	Knowledge of contact lens materials, products, and designs
	Knowledge of optical conditions and relevancy to contact lens design
	Knowledge of advantages and disadvantages of contact lens materials with respect to vision, ocular health, physiology, and lifestyle/environment influences
	Knowledge of specialty Materials/Designs
	Knowledge of instrumentations (e.g. Slit lamp biomicroscope, manual keratometer, radiuscope, corneal topographer, phoropter, retinoscope, anterior chamber OCT [ocular coherence tomography], manual lensometer, lens modification unit)
	Compiling and analyzing useful information
	Selecting and using appropriate instruments, tests, and evaluation procedures
	Interpreting data collected through use of instruments, tests and evaluation procedures
	Evaluating accuracy and adequacy of data collected
	Converting refractive errors to minus cylinder
	Conducting measurement procedures accurately
	Computing vertex distance accurately
	Recording observations and abnormalities through the use of diagrams
	Collecting necessary information to formulate recommendations
	Transposing spectacle data into contact lens data
	Identifying the possible need for specialty contact lenses
	Obtaining, recording, and interpreting data, including vision screening
	Using slit lamp illumination techniques with and without fluorescein
<b>1.3</b>	<b>Discuss with the patient his or her needs, expectations, and limitations.</b>
	Knowledge of ocular pathology and physiology
	Knowledge of drugs and diseases/pathogens effecting contact lens wear
	Knowledge of lifestyle factors and their effects on lens wear
	Knowledge of refractive errors
	Knowledge of principles of optics and visual pathways as related to contact lenses
	Knowledge of terminology
	Knowledge of contact lens materials, products, and designs
	Knowledge of contact lens care systems and solutions
	Knowledge of symptomatology
	Knowledge of time factors
	Knowledge of optical conditions and relevancy to contact lens design
	Knowledge of advantages and disadvantages of contact lens materials with respect to vision, ocular health, physiology, and lifestyle/environment influences
	Knowledge of factors relevant to successful contact lens wear
	Knowledge of properties of contact lens materials
	Knowledge of limitations of contact lens materials
	Knowledge of general ocular anatomy and physiology

## NCLE-AC Detailed Outline (Domain; Job Task; Knowledge and Skills)

	Knowledge of systemic medications and systematic or ocular diseases that may affect or preclude contact lens wear
	Compiling and analyzing useful information
	Communicating effectively with the patient
	Determining the probability of success of proposed and alternative contact lens materials, products, care systems, and solutions
	Evaluating gathered information and informing patient of its meaning
	Identifying the possible need for specialty materials/designs
	Comforting the patient so that he/she is at ease during the fitting procedure
	Communicating with patient about all aspects of lens wear and use
	Selecting and disseminating information on contact lenses to patient
<b>1.4</b>	<b>Analyze information and explain lens options to meet patient needs.</b>
	Knowledge of drugs and diseases/pathogens effecting contact lens wear
	Knowledge of lifestyle factors and their effects on lens wear
	Knowledge of refractive errors
	Knowledge of principles of optics and visual pathways as related to contact lenses
	Knowledge of normal and abnormal findings based on instrument readings and test/evaluation outcomes
	Knowledge of tear evaluation tests (e.g., Schirmer's, rose bengal)
	Knowledge of terminology
	Knowledge of external observations
	Knowledge of pathological conditions
	Knowledge of contact lens materials, products, and designs
	Knowledge of symptomatology
	Knowledge of time factors
	Knowledge of optical conditions and relevancy to contact lens design
	Knowledge of advantages and disadvantages of contact lens materials with respect to vision, ocular health, physiology, and lifestyle/environment influences
	Knowledge of factors relevant to successful contact lens wear
	Knowledge of properties of contact lens materials
	Knowledge of limitations of contact lens materials
	Knowledge of the relationship between keratometry (prefitting information, observations, and measurements), patient prescription, and current lens parameters
	Knowledge of specialty Materials/Designs
	Knowledge of general ocular anatomy and physiology
	Compiling and analyzing useful information
	Interpreting data collected through use of instruments, tests and evaluation procedures
	Evaluating accuracy and adequacy of data collected
	Communicating effectively with the patient
	Determining the probability of success of proposed and alternative contact lens materials, products, care systems, and solutions
	Evaluating gathered information and informing patient of its meaning

## NCLE-AC Detailed Outline (Domain; Job Task; Knowledge and Skills)

	Evaluating material characteristics based on knowledge of properties and characteristics of contact lens materials/designs and acquired information from patient (e.g., patient history and interview, refractive error, etc.)
	Transposing spectacle data into contact lens data
	Identifying the possible need for specialty materials/designs
	Evaluating the relationship between the keratometry reading and the refractive error
<b>2</b>	<b>Design, Fit and Dispense Standard and Specialty Lenses</b>
<b>2.1</b>	<b>Select lens material and design (e.g., piggyback, custom soft, hybrid, scleral, lenses for irregular cornea) to conduct a diagnostic lens evaluation.</b>
	Knowledge of general ocular anatomy and physiology of the healthy eye
	Knowledge of ocular pathology and physiology
	Knowledge of drugs and diseases/pathogens effecting contact lens wear
	Knowledge of refractive errors
	Knowledge of principles of optics and visual pathways as related to contact lenses
	Knowledge of corneal topography
	Knowledge of normal and abnormal findings based on instrument readings and test/evaluation outcomes
	Knowledge of terminology
	Knowledge of vertex distance
	Knowledge of contact lens materials, products, and designs
	Knowledge of optical conditions and relevancy to contact lens design
	Knowledge of advantages and disadvantages of contact lens materials with respect to vision, ocular health, physiology, and lifestyle/environment influences
	Knowledge of factors relevant to successful contact lens wear
	Knowledge of properties of contact lens materials
	Knowledge of limitations of contact lens materials
	Knowledge of the relationship between keratometry (prefitting information, observations, and measurements), patient prescription, and current lens parameters
	Knowledge of specialty Materials/Designs
	Knowledge of determination of lens parameters
	Knowledge of availability of fitter aids, consultation, and sources of product
	Knowledge of determination of appropriate materials to meet patient needs
	Knowledge of contact lens configurations and designs
	Knowledge of characteristics of lens types and lens materials
	Knowledge of contact lens parameters, lens types, and materials
	Knowledge of special lens designs
	Knowledge of material characteristics that may improve lens fit and/or corneal integrity
	Compiling and analyzing useful information
	Evaluating material characteristics based on knowledge of properties and characteristics of contact lens materials/designs and acquired information from patient (e.g., patient history and interview, refractive error, etc.)
	Evaluating the relationship between the corneal measurements and the refractive error

## NCLE-AC Detailed Outline (Domain; Job Task; Knowledge and Skills)

	Transposing spectacle data into contact lens data
	Identifying the possible need for specialty materials/designs
	Evaluating the relationship between the keratometry reading and the refractive error
<b>2.2</b>	<b>Evaluate diagnostic lenses to determine initial fit.</b>
	Knowledge of instrumentation
	Knowledge of normal and abnormal findings based on instrument readings and test/evaluation outcomes
	Knowledge of lens/corneal relationship
	Knowledge of fluorescein evaluation procedures (with and without contact lens)
	Knowledge of external observations
	Knowledge of pathological conditions
	Knowledge of physiological conditions
	Knowledge of contact lens materials, products, and designs
	Knowledge of optical conditions and relevancy to contact lens design
	Knowledge of fluorescein evaluation procedures
	Knowledge of position and movement of contact lenses
	Knowledge of alignment and relationship of the contact lens to the cornea
	Knowledge of availability of fitter aids, consultation, and sources of product
	Knowledge of determination of appropriate materials to meet patient needs
	Knowledge of objective findings and subjective findings that would require a lens change
	Knowledge of types of fluorescein evaluation procedures, e.g., ocular staining, tarsal plate evaluation
	Knowledge of changing lens parameters (e.g., size, base curve, thickness, sagittal depth)
	Knowledge of instrumentations (e.g. Slit lamp biomicroscope, manual keratometer, radiuscope, corneal topographer, phoropter, retinoscope, anterior chamber OCT [ocular coherence tomography], manual lensometer, lens modification unit)
	Compiling and analyzing useful information
	Selecting and using appropriate instruments, tests, and evaluation procedures
	Interpreting data collected through use of instruments, tests and evaluation procedures
	Recording observations and abnormalities through the use of diagrams
	Communicating effectively with the patient
	Evaluating the relationship between the corneal measurements and the refractive error
	Inserting and removing contact lenses for the patient
	Manipulating contact lenses on the eye
	Identifying the fitting characteristics of the contact lens with and without fluorescein
	Evaluating the relationship between the keratometry reading and the refractive error
	Comforting the patient so that he/she is at ease during the fitting procedure
	Refining the lens parameters to obtain an optimal vision and fit
	Evaluating and verifying the patient's subjective visual responses
	Using slit lamp illumination techniques with and without fluorescein
<b>2.3</b>	<b>Order lenses, including specialty and customized lenses, by specifying lens parameters.</b>

## NCLE-AC Detailed Outline (Domain; Job Task; Knowledge and Skills)

	Knowledge of terminology
	Knowledge of contact lens materials, products, and designs
	Knowledge of determination of lens parameters
	Knowledge of availability and sources of products
	Knowledge determination of lens parameters
	Communicating the exact parameters and any special instructions to the manufacturer
	Consulting/communicating with the lab
<b>3</b>	<b>Patient Instruction and Delivery Procedures (Including those with specialty lenses)</b>
<b>3.1</b>	<b>Verify lens parameters.</b>
	Knowledge of instrumentation
	Knowledge of instrument calibration
	Knowledge of terminology
	Knowledge of determination of lens parameters
	Knowledge of contact lens configurations and designs
	Knowledge determination of lens parameters
	Knowledge of evaluation of all parameters and lens inspection and compliance with ANSI Z80 standards
	Knowledge of instrumentations (e.g. Slit lamp biomicroscope, manual keratometer, radiuscope, corneal topographer, phoropter, retinoscope, anterior chamber OCT [ocular coherence tomography], manual lensometer, lens modification unit)
	Using appropriate instrumentation to verify contact lens parameters
	Applying ANSI Z80 standards to evaluate the parameters of the ordered contact lenses
	Selecting and using appropriate instrumentation
<b>3.2</b>	<b>Educate the patient on lens wear and care (e.g., piggyback, hybrid, scleral) by providing verbal and written instructions.</b>
	Knowledge of terminology
	Knowledge of contact lens materials, products, and designs
	Knowledge of contact lens care systems and solutions
	Knowledge of factors relevant to successful contact lens wear
	Knowledge of contact lens care systems and solutions (compatibility of solutions to lenses)
	Knowledge of regulatory and manufacturer's guidelines regarding disinfection, storage, care, and maintenance of lenses and contact lens supplies
	Knowledge of basic and alternate insertion and removal techniques for rigid and soft lenses
	Knowledge of emergency responses to patient insertion and removal problems
	Knowledge of solution compatibility with various contact lens types
	Knowledge of use of specific solutions for various procedures (e.g., soaking, wetting, lubricating, disinfecting, weekly cleaning, etc.)
	Knowledge of contact lens application procedures (e.g., cleaning after removal rather than prior to insertion, etc.)
	Knowledge of hygiene and personal care products (e.g. soaps and lotions, cosmetics, storage containers)
	Knowledge of lens care

## NCLE-AC Detailed Outline (Domain; Job Task; Knowledge and Skills)

	Knowledge of instructions to patients on how to deal with abnormal responses to contact lens wear
	Knowledge of appropriate wearing and replacement schedules
	Knowledge of solution ingredients and significance of ingredients
	Knowledge of aspects of contact lens wear and use
	Communicating effectively with the patient
	Instructing (including demonstrating and guiding) the patient on basic and alternate insertion and removal techniques for appropriate contact lens types (e.g. rigid, soft, etc.)
	Responding to emergency situations regarding contact lens use and instructing patient on appropriate emergency response measures
	Recognizing the patient's ability related to insertion and removal of contact lenses and adjusting instruction, as appropriate
	Communicating the recommended care system and its appropriate use to the patient
	Reinforcing patient education through written instructions
	Communicating with patient about all aspects of lens wear and use
	Selecting and disseminating information on contact lenses to patient
<b>3.3</b>	<b>Provide hands-on practice on lens application and removal, including scleral and hybrid lenses.</b>
	Knowledge of factors relevant to successful contact lens wear
	Knowledge of basic and alternate insertion and removal techniques for rigid and soft lenses
	Knowledge of emergency responses to patient insertion and removal problems
	Knowledge of contact lens application procedures (e.g., cleaning after removal rather than prior to insertion, etc.)
	Knowledge of hygiene and personal care products (e.g. soaps and lotions, cosmetics, storage containers)
	Instructing (including demonstrating and guiding) the patient on basic and alternate insertion and removal techniques for appropriate contact lens types (e.g. rigid, soft, etc.)
	Responding to emergency situations regarding contact lens use and instructing patient on appropriate emergency response measures
	Recognizing the patient's ability related to insertion and removal of contact lenses and adjusting instruction, as appropriate
	Communicating with patient about all aspects of lens wear and use
<b>3.4</b>	<b>Schedule appointments for follow-up assessment of lens wear.</b>
	Knowledge of factors relevant to successful contact lens wear
	Knowledge of normal and abnormal responses beyond the adaption period
	Knowledge of standard follow-up protocols for specific contact lens product types
	Knowledge of standard follow-up protocols for specific patient types
	Knowledge of purpose of follow-up visits
	Knowledge of follow-up procedures to verify patient's visit to original prescriber
	Communicating effectively with the patient
	Scheduling follow-up visits that are compatible with the patient's physiology and contact lens product type
	Modifying follow-up protocol according to observations of the contact lens fitting

## NCLE-AC Detailed Outline (Domain; Job Task; Knowledge and Skills)

		characteristics
		Conveying to patient the importance of follow-up visits
		Conveying to patient the importance of follow-up visits to original prescriber
<b>4</b>	<b>Routine and Emergency Follow-up Visits</b>	
<b>4.1</b>	<b>Discuss with the patient his or her subjective response to lens wear.</b>	
		Knowledge of symptomatology
		Knowledge of time factors
		Knowledge of factors relevant to successful contact lens wear
		Knowledge of normal and abnormal adaption responses
		Knowledge of normal and abnormal responses beyond the adaption period
		Knowledge of abnormal responses/reactions to contact lens wear (photophobia, pain, red-eye, secretions)
		Knowledge of evaluation of patient subjective responses
		Knowledge of complications of contact lens wear
		Knowledge of patient's history and visual needs
		Knowledge of changes in patient health history over time
		Compiling and analyzing useful information
		Communicating effectively with the patient
		Evaluating and verifying the patient's subjective visual responses
		Interpreting patient complaints/comments
		Maintaining comprehensive, current, and legible patient records
<b>4.2</b>	<b>Evaluate lens fit and performance, including complex designs.</b>	
		Knowledge of general ocular anatomy and physiology of the healthy eye
		Knowledge of ocular pathology and physiology
		Knowledge of drugs and diseases/pathogens effecting contact lens wear
		Knowledge of principles of optics and visual pathways as related to contact lenses
		Knowledge of instrumentation
		Knowledge of normal and abnormal findings based on instrument readings and test/evaluation outcomes
		Knowledge of fluorescein evaluation procedures (with and without contact lens)
		Knowledge of terminology
		Knowledge of external observations
		Knowledge of advantages and disadvantages of contact lens materials with respect to vision, ocular health, physiology, and lifestyle/environment influences
		Knowledge of factors relevant to successful contact lens wear
		Knowledge of fluorescein evaluation procedures
		Knowledge of position and movement of contact lenses
		Knowledge of alignment and relationship of the contact lens to the cornea
		Knowledge of objective findings and subjective findings that would require a lens change
		Knowledge of normal and abnormal adaption responses
		Knowledge of normal and abnormal responses beyond the adaption period



## NCLE-AC Detailed Outline (Domain; Job Task; Knowledge and Skills)

	Knowledge of complications of contact lens wear
	Knowledge of objective findings with corrective measures
	Knowledge of standard follow-up protocols for specific contact lens product types
	Knowledge of standard follow-up protocols for specific patient types
	Knowledge of characteristics of lens types and lens materials
	Knowledge of types of fluorescein evaluation procedures, e.g., ocular staining, tarsal plate evaluation
	Knowledge of lens modification
	Knowledge of changing lens parameters (e.g., size, base curve, thickness, sagittal depth)
	Knowledge of special lens designs
	Knowledge of material characteristics that may improve lens fit and/or corneal integrity
	Knowledge of instrumentations (e.g. Slit lamp biomicroscope, manual keratometer, radiuscope, corneal topographer, phoropter, retinoscope, anterior chamber OCT [ocular coherence tomography], manual lensometer, lens modification unit)
	Compiling and analyzing useful information
	Selecting and using appropriate instruments, tests, and evaluation procedures
	Interpreting data collected through use of instruments, tests and evaluation procedures
	Evaluating accuracy and adequacy of data collected
	Recording observations and abnormalities through the use of diagrams
	Collecting necessary information to formulate recommendations
	Identifying the possible need for specialty materials/designs
	Identifying the fitting characteristics of the contact lens with and without fluorescein
	Refining the lens parameters to obtain an optimal vision and fit
	Evaluating and verifying the patient's subjective visual responses
	Using slit lamp illumination techniques with and without fluorescein
	Differentiating between and responding appropriately to normal and abnormal symptomology (with and without fluorescein)
	Using diagnostic tools to evaluate lens corneal relationship
	Interpreting the findings from the use of instrumentation to evaluate optimum fit
	Recognizing defects of contact lens materials or design
	Collecting and interpreting information gathered through the use of instrumentation
	Collecting and analyzing the patient's responses and data obtained by using instrumentation and diagnostic aids to determine changes required in lens material to achieve an acceptable fit
	Selecting and using modification/alteration procedures to improve lens design and performance
	Selecting appropriate contact lens design to achieve desired modification or fit
<b>4.3</b>	<b>Implement and evaluate modifications to lens design.</b>
	Knowledge of instrumentation
	Knowledge of normal and abnormal findings based on instrument readings and test/evaluation outcomes
	Knowledge of lens/corneal relationship

## NCLE-AC Detailed Outline (Domain; Job Task; Knowledge and Skills)

Knowledge of fluorescein evaluation procedures (with and without contact lens)
Knowledge of terminology
Knowledge of contact lens materials, products, and designs
Knowledge of factors relevant to successful contact lens wear
Knowledge of determination of lens parameters
Knowledge of fluorescein evaluation procedures
Knowledge of alignment and relationship of the contact lens to the cornea
Knowledge of objective findings and subjective findings that would require a lens change
Knowledge of contact lens configurations and designs
Knowledge of objective findings with corrective measures
Knowledge of manufacturing procedures and their limitations
Knowledge of types of fluorescein evaluation procedures, e.g., ocular staining, tarsal plate evaluation
Knowledge of contact lens parameters, lens types, and materials
Knowledge of lens modification
Knowledge of polishes and tools used to clean surfaces and alter parameters
Knowledge of changing lens parameters (e.g., size, base curve, thickness, sagittal depth)
Knowledge of special lens designs
Knowledge of material characteristics that may improve lens fit and/or corneal integrity
Knowledge of instrumentations (e.g. Slit lamp biomicroscope, manual keratometer, radiuscope, corneal topographer, phoropter, retinoscope, anterior chamber OCT [ocular coherence tomography], manual lensometer, lens modification unit)
Compiling and analyzing useful information
Selecting and using appropriate instruments, tests, and evaluation procedures
Interpreting data collected through use of instruments, tests and evaluation procedures
Recording observations and abnormalities through the use of diagrams
Identifying the fitting characteristics of the contact lens with and without fluorescein
Refining the lens parameters to obtain an optimal vision and fit
Using slit lamp illumination techniques with and without fluorescein
Differentiating between and responding appropriately to normal and abnormal symptomology (with and without fluorescein)
Using diagnostic tools to evaluate lens corneal relationship
Interpreting the findings from the use of instrumentation to evaluate optimum fit
Collecting and interpreting information gathered through the use of instrumentation
Collecting and analyzing the patient's responses and data obtained by using instrumentation and diagnostic aids to determine changes required in lens material to achieve an acceptable fit
Selecting and using modification/alteration procedures to improve lens design and performance
Selecting appropriate contact lens design to achieve desired modification or fit
Assessing or verifying patient's subjective responses and objective findings to determine if desired results have been attained

## NCLE-AC Detailed Outline (Domain; Job Task; Knowledge and Skills)

<b>4.4</b>	<b>Review patient compliance.</b>
	Knowledge of factors relevant to successful contact lens wear
	Knowledge of regulatory and manufacturer's guidelines regarding disinfection, storage, care, and maintenance of lenses and contact lens supplies
	Knowledge of basic and alternate insertion and removal techniques for rigid and soft lenses
	Knowledge of emergency responses to patient insertion and removal problems
	Knowledge of solution compatibility with various contact lens types
	Knowledge of use of specific solutions for various procedures (e.g., soaking, wetting, lubricating, disinfecting, weekly cleaning, etc.)
	Knowledge of hygiene and personal care products (e.g. soaps and lotions, cosmetics, storage containers)
	Knowledge of lens care
	Knowledge of normal and abnormal adaption responses
	Knowledge of normal and abnormal responses beyond the adaption period
	Knowledge of abnormal responses/reactions to contact lens wear (photophobia, pain, red-eye, secretions)
	Knowledge of instructions to patients on how to deal with abnormal responses to contact lens wear
	Knowledge of appropriate wearing and replacement schedules
	Communicating effectively with the patient
	Interpreting patient complaints/comments
	Communicating with patient about all aspects of lens wear and use
<b>4.5</b>	<b>Determine follow-up appointments to monitor lens fit and ocular integrity.</b>
	Knowledge of pathological conditions
	Knowledge of factors relevant to successful contact lens wear
	Knowledge of standard follow-up protocols for specific contact lens product types
	Knowledge of standard follow-up protocols for specific patient types
	Knowledge of purpose of follow-up visits
	Knowledge of follow-up procedures to verify patient's visit to original prescriber
	Communicating effectively with the patient
	Scheduling follow-up visits that are compatible with the patient's physiology and contact lens product type
	Modifying follow-up protocol according to observations of the contact lens fitting characteristics
	Conveying to patient the importance of follow-up visits
	Conveying to patient the importance of follow-up visits to original prescriber
<b>4.6</b>	<b>Educate patients on new developments in contact lens technology.</b>
	Knowledge of terminology
	Knowledge of contact lens materials, products, and designs
	Knowledge of advantages and disadvantages of contact lens materials with respect to vision, ocular health, physiology, and lifestyle/environment influences
	Knowledge of specialty Materials/Designs

## NCLE-AC Detailed Outline (Domain; Job Task; Knowledge and Skills)

	Knowledge of availability and sources of products
	Knowledge of special lens designs
	Knowledge of developments in contact lens materials, designs and care products
	Communicating effectively with the patient
	Selecting and disseminating information on contact lenses to patient
<b>4.7</b>	<b>Recognize and triage patients with acute contact lens complications.</b>
	Knowledge of general ocular anatomy and physiology of the healthy eye
	Knowledge of ocular pathology and physiology
	Knowledge of time factors
	Knowledge of factors relevant to successful contact lens wear
	Knowledge of emergency responses to patient insertion and removal problems
	Knowledge of normal and abnormal adaption responses
	Knowledge of normal and abnormal responses beyond the adaption period
	Knowledge of instructions to patients on how to deal with abnormal responses to contact lens wear
	Compiling and analyzing useful information
	Communicating effectively with the patient
	Responding to emergency situations regarding contact lens use and instructing patient on appropriate emergency response measures
	Interpreting patient complaints/comments
	Refer patients with abnormal findings to original prescriber.
	Communicate with other professionals (e.g., ophthalmologists, optometrists, and opticians)
<b>5</b>	<b>Administrative Procedures</b>
<b>5.1</b>	<b>Maintain a safe contact lens environment.</b>
	Knowledge of regulatory and manufacturer's guidelines regarding disinfection, storage, care, and maintenance of lenses and contact lens supplies
	Knowledge of basic safety-training programs
	Knowledge of consumer laws related to dispensing ophthalmic products and services
<b>5.2</b>	<b>Comply with professional, ethical, and legal guidelines.</b>
	Knowledge of regulations governing the confidentiality of patient
	Knowledge of regulations governing the release of records
	Knowledge of applicable federal, state, and local guidelines, laws, regulations, standards (e.g., HIPAA, FCLCA, ANSI, FTC, OSHA, DHHS, FDA), and current policies in the delivery of eye care
	Knowledge of consumer laws related to dispensing ophthalmic products and services
	Explaining the regulations/policies related to contact lenses
	Maintaining comprehensive, current, and legible patient records
	Handling patient data so that applicable legal and ethical regulations are not violated and patient confidentiality is maintained
<b>5.3</b>	<b>Maintain patient records.</b>
	Knowledge of regulations governing the confidentiality of patient
	Knowledge of regulations governing the release of records

**NCLE-AC Detailed Outline  
(Domain; Job Task; Knowledge and Skills)**

	Knowledge of terminology
	Knowledge of methodology used to chart patient records and identify changes in patient's lens care system, lens parameters/materials, ocular physiology, disease state, health history
	Recording data on the patient's record as it relates to the patient's history, prescription, etc.
	Maintaining comprehensive, current, and legible patient records
	Reviewing patient records to determine if errors are present or more data are required
	Storing patient data for accessibility
	Handling patient data so that applicable legal and ethical regulations are not violated and patient confidentiality is maintained