



SENARAI PROSEDUR *CREDENTIALING*

BAGI PROFESION KESIHATAN BERSEKUTU



**UNIT LATIHAN & KOMPETENSI,
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PROFESION: JURU X-RAY (DIAGNOSTIK)

ADVANCE PROCEDURES
A) GENERAL RADIOGRAPHY
Advance Procedure 1: Skeletal Survey
Advance Procedure 2: Post Mortem Skeletal Survey
Advance Procedure 3: Special Orthopaedic Views
Advance Procedure 4: Post Mortem Radiography
B) COMPUTED TOMOGRAPHY (CT)
Advance Procedure 1: CT Maxillofacial
Advance Procedure 2: CT Neck
Advance Procedure 3: CT Urography / Cystography
Advance Procedure 4: CT Musculoskeletal (Basic)
Advance Procedure 5: CT QC Test
C) MAMMOGRAPHY
Advance Procedure 1: Mammography Start Up And Shut Down Procedures
Advance Procedure 2: Mammography Scheduling And Patient Education
Advance Procedure 3: Mammography Periprocedural Care
Advance Procedure 4: Mammography
Advance Procedure 5: Audit PGMI Mammography
Advance Procedure 6: QA/QC Mammography
D) DIAGNOSTIC ANGIOGRAPHY
Advance Procedure 1: Angiography Start Up And Shut Down Procedures
Advance Procedure 2: Angiography Scheduling And Patient Education
Advance Procedure 3: Angiography Periprocedural Care (Include Instrumentation)
Advance Procedure 4: Cerebral Angiography
Advance Procedure 5: Upper Limb Angiography/Venography
Advance Procedure 6: Lower Limb Angiography/Venography
Advance Procedure 7: Abdominal (Free Flush And Selective)
Advance Procedure 8: Fistulogram
Advance Procedure 9: Venous Access Procedure
E) RADIOLOGY INFORMATICS
E(i) RADIOLOGY INFORMATION SYSTEM (RIS) AND PICTURE ARCHIVING AND COMMUNICATION SYSTEM (PACS)
Advance Procedure 1: Schedule Appointment
Advance Procedure 2: Burn CD
Advance Procedure 3: Digitize / Upload Image
E(ii) IMAGE MANIPULATION
Advance Procedure 4: MPR (Sagital/ Coronal/ Axial View)
F) QUALITY IMPROVEMENT ACTIVITIES
F(i) RESEARCH

Advance Procedure 1: Involvement in data collection and analysis as a research team member
Advance Procedure 2: Involvement in research design, data collection and analysis as a research team leader
F(ii) INNOVATION
Advance Procedure 3: Participating in innovation competition as team member
F(iii) PUBLICATION
Advance Procedure 4: Participating in research output management (data analysis & synthesis) as team member
F(iv) PRESENTATION
Advance Procedure 5: Presenting the research output in a national conference
Advance Procedure 6: Presenting the research output in an international conference
Advance Procedure 7: Giving an educational talk on clinical research / service & management / education & training
II. Requirement of Cases in Specialised Procedures
A) GENERAL RADIOGRAPHY
Specialised Procedure 1: BILATERAL LOWER LIMB
Specialised Procedure 2: WHOLE SPINE
B) CT SCAN
Specialised Procedure 1: CT MULTIPHASE LIVER / PANCREAS / RENAL / ADRENAL
Specialised Procedure 2: CT MUSCULOSKELETAL (advanced)
Specialised Procedure 3: CTA HEAD AND NECK
Specialised Procedure 4: CTA BODY (aorta / cardiac / renal / pelvic)
Specialised Procedure 5: CTA EXTREMITIES
Specialised Procedure 6: CT INTERVENTIONAL (biopsy /drainage /ablation therapy)
C) MAMMOGRAPHY
Specialised Procedure 1: INTERVENTIONAL PROCEDURE (biopsy/localisation/ductogram/stereotactic)
Specialised Procedure 2: ADVANCED PROJECTION (Magnification/ spot compression and etc.)
D) INTERVENTIONAL ANGIOGRAPHY
D (i) VASCULAR INTERVENTIONAL
Specialised Procedure 1: THROMBOLYSIS
Specialised Procedure 2: EMBOLISATION
Specialised Procedure 3: STENTING / ANGIOPLASTY
Specialised Procedure 4: IVC FILTER
D (ii) NON-VASCULAR INTERVENTIONAL
Specialised Procedure 5: NEPHROSTOMY
Specialised Procedure 6: VERTEBROPLASTY
Specialised Procedure 7: GASTRO INTESTINAL STENTING
E) MAGNETIC RESONANCE IMAGING (MRI)
Specialised Procedure 1: MRI SAFETY

Specialised Procedure 2: MRI START UP AND SHUT DOWN PROCEDURES
Specialised Procedure 3: MRI SCHEDULING AND PATIENT EDUCATION
Specialised Procedure 4: MRI PERIPROCEDURAL CARE
Specialised Procedure 5: MRI BRAIN
Specialised Procedure 6: MRI SPINE
Specialised Procedure 7: MRI ABDOMEN/PELVIS
Specialised Procedure 8: MRI MUSCULOSKELETAL
Specialised Procedure 9: MRA/MRV BRAIN
Specialised Procedure 10: MRI ORBITS
Specialised Procedure 11: MRI PITUITARY
Specialised Procedure 12: MRI IAM / TEMPORAL LOBE
Specialised Procedure 13: MRI PAEDIATRIC
F) RADIOLOGY INFORMATICS
F (i) RADIOLOGY INFORMATION SYSTEM (RIS) AND PICTURE ARCHIVING AND COMMUNICATION SYSTEM (PACS)
Specialised Procedure 1: APPOINTMENT MAINTENANCE
Specialised Procedure 2: PRODUCT SETTING
Specialised Procedure 3: MODIFY FORM
Specialised Procedure 4: CREATE USER ID
Specialised Procedure 5: DELETE AND MERGE IMAGE
Specialised Procedure 6: TRAINING IN PACS AND RADIOLOGY INFORMATICS
F(ii) IMAGE RENDERING
Specialised Procedure 7: BONE REMOVAL
Specialised Procedure 8: 3D VOLUME DISPLAY
Specialised Procedure 9: MAXIMUM INTENSITY PROJECTION (MIP)
G) QUALITY IMPROVEMENT ACTIVITIES
G(i) RESEARCH
Specialised Procedure 1: Involvement in data collection and analysis as a research team member
Specialised Procedure 2: Involvement in research design, data collection and analysis as a research team leader
G(ii) INNOVATION
Specialised Procedure 3: Participating in innovation competition as team member
G(iii) PUBLICATION
Specialised Procedure 4: Participating in research output management (data analysis & synthesis) as team member
Specialised Procedure 5: Involvement in manuscript reconstruction at any part of it as a co-author
Specialised Procedure 6: Participating in research output management (data analysis & synthesis) as team leader
G(iv) PRESENTATION
Specialised Procedure 7: Presenting the research output in a national conference
Specialised Procedure 8: Presenting the research output in an international conference
Specialised Procedure 9: Giving an educational talk on clinical research / service & management / education & training

Specialised Procedure 10: Participating in a forum as a forum moderator
Specialised Procedure 11: Participating in a forum as a forum panellist
III. Requirement of Cases in Optional Procedure
A) CT SCAN
Optional Procedure 1: CT Colonography
Optional Procedure 2: CT Perfusion
Optional Procedure 3: CT Cisternography
Optional Procedure 4: Forensic CT
Optional Procedure 5: Cardiac CT
Optional Procedure 6: Dental CT
Optional Procedure 7: Paediatric CT (Advanced)
Optional Procedure 8: CT BRONCHOSCOPY
Optional Procedure 9: CT MYELOGRAPHY
B) MAMMOGRAPHY
Optional Procedure 1: CONTRAST ENHANCED MAMMOGRAPHY
C) ANGIOGRAPHY
Optional Procedure 1: BRONCHIAL ANGIOGRAPHY
Optional Procedure 2: SPINAL ANGIOGRAPHY
Optional Procedure 3: FLUORO/ANGIO GUIDED BIOPSY/DRAINAGE
Optional Procedure 4: CARDIAC ANGIOGRAPHY
Optional Procedure 5: LYMPHANGIOGRAPHY
D) MAGNETIC RESONANCE IMAGING (MRI)
Optional Procedure 1: MRI WHOLE BODY
Optional Procedure 2: MRI SPECTROSCOPY
Optional Procedure 3: MR ARTHROGRAM
Optional Procedure 4: MRI BRAIN DTI
Optional Procedure 5: MRI BRAIN PERFUSION
Optional Procedure 6: MRI BRAIN CSF CINEFLOW STUDY
Optional Procedure 7: MRA/MRV ABDOMEN/PELVIS
Optional Procedure 8: MRI BRAIN FUNCTIONAL (fMRI)
Optional Procedure 9: MRA LOWER LIMB/UPPER LIMB
Optional Procedure 10: MRI CARDIAC
Optional Procedure 11: MRI BREAST
Optional Procedure 12: MR UROGRAPHY
Optional Procedure 13: MRI ENTEROCLYSIS
Optional Procedure 14: MRI PROSTATE
Optional Procedure 15: MRI HSG
Optional Procedure 16: MRCP
Optional Procedure 17: FETAL MRI
Optional Procedure 18: POST MORTEM MRI

E) RADIOLOGY INFORMATICS
E (i) RADIOLOGY INFORMATION SYSTEM (RIS) AND PICTURE ARCHIVING AND COMMUNICATION SYSTEM (PACS) ADMINISTRATION
Optional Procedure 1: DEFINE ROLE
Optional Procedure 2: AUTHORIZE ROLE
Optional Procedure 3: MAINTAIN STORAGE
Optional Procedure 4: PACS MAINTENANCE
Optional Procedure 5: MODALITY INTEGRATION
F) FLOUROSCOPY
Optional Procedure 1: VIDEO FLOUROSCOPIC SWALLOWING STUDY
Optional Procedure 2: URODYNAMIC STUDY
G) BONE MINERAL DENSITOMETRY (BMD)
Optional Procedure 1: BMD START UP AND SHUT DOWN PROCEDURES
Optional Procedure 2: HIP AND SPINE
Optional Procedure 3: WHOLE BODY
Optional Procedure 4: EXTREMITIES
Optional Procedure 5: PAEDIATRIC

PROFESION: JURU X-RAY (TERAPI)

JURU (PELAKSANA)
Advance Procedures
A(i) Image Guided Radiotherapy (Image Evaluation)
Advance Procedure 1: Head and neck
Advance Procedure 2: Thorax/ Breast
Advance Procedure 3: Abdomen and Pelvis
Advance Procedure 4: Extremities
A(ii) Stereotactic Radiosurgery/ Stereotactic Radiotherapy
Advance Procedure 1: Immobilization For Stereotactic Radiosurgery/Stereotactic Radiotherapy
Advance Procedure 2: Imaging For Stereotactic Radiosurgery/Stereotactic Radiotherapy
Advance Procedure 3: Quality Assurance (QA) For Stereotactic Radiosurgery/Stereotactic Radiotherapy Equipment / Dry Run / Plan
Advance Procedure 4: Verification For Stereotactic Radiosurgery/Stereotactic Radiotherapy
Advance Procedure 5: Treatment For Stereotactic Radiosurgery/Stereotactic Radiotherapy
Advance Procedure 6: Patient Management For Stereotactic Radiosurgery/Stereotactic Radiotherapy
II. Requirement of Cases in Optional Procedure
Optional Procedure 1: Total Body Irradiation (TBI)
Optional Procedure 2: Total Marrow Irradiation (TMI)
Optional Procedure 3: Stereotactic Body Radiation Therapy (SBRT)
Optional Procedure 4: Blood Irradiation

PEGAWAI PENGIMEJAN (TERAPI)
I. Requirement of Cases in Advance Procedures
A(i) Image Guided Radiotherapy (Image Evaluation)
Advance Procedure 1: Head and neck
Advance Procedure 2: Thorax/ Breast
Advance Procedure 3: Abdomen and Pelvis
Advance Procedure 4: Extremities
A(ii) Stereotactic Radiosurgery/ Stereotactic Radiotherapy
Advance Procedure 1: Immobilization For Stereotactic Radiosurgery/Stereotactic Radiotherapy
Advance Procedure 2: Imaging For Stereotactic Radiosurgery/Stereotactic Radiotherapy
Advance Procedure 3: Quality Assurance (QA) For Stereotactic Radiosurgery/Stereotactic Radiotherapy Equipment / Dry Run / Plan
Advance Procedure 4: Verification For Stereotactic Radiosurgery/Stereotactic Radiotherapy
Advance Procedure 5: Treatment For Stereotactic Radiosurgery/Stereotactic Radiotherapy
Advance Procedure 6: Patient Management For Stereotactic Radiosurgery/Stereotactic Radiotherapy
II. Requirement of Cases in Specialised Procedures
A) Resourced Person Stereotaxic

Specialised Procedure 1: Head and neck
Specialised Procedure 2: Thorax/ Breast
Specialised Procedure 3: Abdomen and Pelvis
Specialised Procedure 4: Extremities
B) Resourced Person in Image Guided Radiotherapy
Specialised Procedure 5: Stereotactic Radiosurgery
III. Requirement of Cases in Optional Procedure
Optional Procedure 1: Total Body Irradiation (TBI)
Optional Procedure 2: Total Marrow Irradiation (TMI)
Optional Procedure 3: Stereotactic Body Radiation Therapy (SBRT)
Optional Procedure 4: Blood Irradiation
Optional Procedure 5: Radiotherapy Dosimetry

PROFESION: PEMULIHAN PERUBATAN FISIOTERAPI

Physiotherapy in Cardiorespiratory
Advance Procedure 1: Interpretation and Analysis of Chest Auscultation
Advance Procedure 2: Interpretation and Analysis of Chest X-Ray
Advance Procedure 3: Interpretation and Analysis of Arterial Blood Gas (ABG) -Respiratory Acidosis
Advance Procedure 4: Interpretation and Analysis of Arterial Blood Gas (ABG) -Respiratory Alkalosis
Advance Procedure 5: Interpretation of Ventilator Setting -SIMV
Advance Procedure 6: Interpretation of Ventilator Setting -(CPAP AND BiPAP)
Advance Procedure 7: Prescription of Treatment for Cardiorespiratory Conditions -Chronic Obstruction Pulmonary Diseases (COPD)
Advance Procedure 8: Prescription of Treatment for Cardiorespiratory Conditions -Acute Coronary Disease
Advance Procedure 9: Exercise Tolerance Test -6 Minutes Walk Test (Outpatient Cardiorespiratory Cases)
Advance Procedure 10: Exercise Tolerance Test -2 Minutes Walk Test (Inpatient Cardiorespiratory Cases)
Advance Procedure 11: Execution of Early Mobility in ICU (ICU Management)
Advance Procedure 12: Execution of Cardiac Rehabilitation
Advance Procedure 13: Execution of Pulmonary Rehabilitation -COPD Gold Classification Stage i and ii (Mild and Moderate)
Physiotherapy in Musculoskeletal
Musculoskeletal – Upper Limb
Advance Procedure 14: Hand Management (Assessment and Treatment) -Carpal Tunnel Syndrome, De-Quervain, Trigger Finger etc.
Advance Procedure 15: Peripheral Joint Accessory Movement for Upper Limb
Advance Procedure 16: Peripheral Nerve Injury (Non Surgical) (Assessment and Treatment)
Advance Procedure 17: Neurodynamic Test (Assessment and Treatment) -Upper Limb Tension Test 1 (Median Nerve Bias)
Advance Procedure 18: Neurodynamic Test (Assessment and Treatment) -Upper Limb Tension Test 2a (Median Nerve Bias)
Advance Procedure 19: Neurodynamic Test (Assessment and Treatment) -Upper Limb Tension Test 2b (Radial Nerve Bias)
Advance Procedure 20: Neurodynamic Test (Assessment and Treatment) -Upper Limb Tension Test 3 (Ulnar Nerve Bias)
Advance Procedure 21: Arthroplasty Management -Upper Limb
Musculoskeletal – Lower Limb
Advance Procedure 22: Peripheral Joint Accessory Movement for Lower Limb
Advance Procedure 23: Neurodynamic Test (Assessment and Treatment) - Straight Leg Raise
Advance Procedure 24: Neurodynamic Test (Assessment and Treatment) -Prone Knee Bend
Advance Procedure 25: Amputee Management -Below Knee Amputation
Advance Procedure 26: Amputee Management -Above Knee Amputation

Advance Procedure 27: Amputee Management -Amputee Mobility Predictor (AMPRO)
Advance Procedure 28: Arthroplasty Management -LowerLimb
Advance Procedure 29: Gait Analysis -Stance Phase and Swing Phase
Musculoskeletal – Neck
Advance Procedure 30: Vertebral Artery Insufficiency Test
Advance Procedure 31: Neurodynamic (Assessment and Treatment) -Passive Neck Flex
Advance Procedure 32: Joint Mobilization (Cervical Spine) -Central Posteroanterior (PA)
Advance Procedure 33: Joint Mobilization (Cervical Spine) -Unilateral posterior glides
Advance Procedure 34: Joint Mobilization (Cervical Spine) -Lateral glides
Advance Procedure 35: Joint Mobilization (Cervical Spine) -Transverse
Advance Procedure 36: Joint Mobilization (Cervical Spine) -Rotational glides
Advance Procedure 37: Neck Stability Exercise -Cervical Spine
Musculoskeletal – Back
Advance Procedure 38: Neurodynamic Test (Assessment and Treatment) -Slump Test
Advance Procedure 39: Joint Mobilization (Lumbar Spine) -Central Posteroanterior (PA)
Advance Procedure 40: Joint Mobilization (Lumbar Spine) -Lateral glides
Advance Procedure 41: Joint Mobilization (Lumbar Spine) -Transverse
Advance Procedure 42: Joint Mobilization (Lumbar Spine) -Rotational glides
Advance Procedure 43: Core Stability Exercise -Lumbar Spine
Physiotherapy in Neurology
Advance Procedure 44: American Spinal Injury Association (ASIA) Impairment Scale (AIS): International Standards for Neurological Classification of Spinal Cord Injury (ISNCSCI)
Advance Procedure 45: Spinal Cord Independence Measure (SCIM)
Advance Procedure 46: Dynamic Gait Index
Advance Procedure 47: MINI Best-test
Advance Procedure 48: Wheelchair Assessment, Prescription & Basic Skills
Advance Procedure 49: Unified Parkinson’s Disease Rating Scale (UPDRS)
Physiotherapy in Paediatric (Cardiorespiratory)
Advance Procedure 50: Interpretation and Analysis of Chest Auscultation
Advance Procedure 51: Interpretation and Analysis of Chest X-Ray
Advance Procedure 52: Interpretation and Analysis of Chest Deformity
Advance Procedure 53: Identifying the Type of Respiratory Support

- Nasal BiPAP
Advance Procedure 54: Identifying Different Types of Oxygen Therapy
Advance Procedure 55: Neonate Airway Clearance : Manual Technique -Percussion
Advance Procedure 56: Neonate Airway Clearance : Manual Technique -Vibration
Advance Procedure 57: Neonate Airway Clearance : Gravity Assisted Drainage Position (GADP) -Lower Lobe
Advance Procedure 58: Suctioning Technique: -Endotracheal Tube
Advance Procedure 59: Suctioning Technique: -Nasopharynx & Oral
Physiotherapy in Padiatric (Neuromusculoskeletal)
Advance Procedure 60: Hammersmith Neonatal Neurological Examination
Advance Procedure 61: Manual Manipulation Technique for Torticollis
Advance Procedure 62: Manual Manipulation Technique for CTEV
Advance Procedure 63: Taping Technique for CTEV
Advance Procedure 64: Passive Movement and Positioning for Brachial Plexus/Erb Palsy
Advance Procedure 65: Assessment of Scoliosis With Scoliometer

Physiotherapy in Vestibular
Specialized Procedure 1: Interpretation and Analysis of Oculomotor test (Extra ocular eye movement)
Specialized Procedure 2: Interpretation and Analysis of Oculomotor test (smooth pursuit)
Specialized Procedure 3: Interpretation and Analysis of Oculomotor test (Saccades)
Specialized Procedure 4: Interpretation and Analysis of Oculomotor test (Gaze evoked nystagmus)
Specialized Procedure 5: Interpretation and Analysis of Oculomotor test (cover and uncover test)
Specialized Procedure 6: Interpretation and Analysis of VOR TEST : HTT (Head thrust test)
Specialized Procedure 7: Interpretation and Analysis of VOR TEST : Dynamic visual acuity test
Specialized Procedure 8: Diagnosis Type of BPPV:Dix Hallpike Test
Specialized Procedure 9: Diagnosis Type of BPPV: Supine Roll Test
Specialized Procedure 10: Interpretation and Analysis of Balance Test: mCTSIB (modified clinical test sensory interaction of balance).
Specialized Procedure 11: Interpretation and Analysis of Gait : DGI (dynamic gait index)
Specialized Procedure 12: Positional Testing: Canalith repositioning Maneuver/ Semont's Maneuver/ Lempert's Maneuver
Specialized Procedure 13: Gaze Stabilization Exercises
Specialized Procedure 14: Habituation Exercise
Specialized Procedure 15: Substitution Exercise
Specialized Procedure 16: Balance Training Technique
Specialized Procedure 17: Gait Training Technique
Summary of Physiotherapist Performance in Specialized Procedures

Physiotherapy in Lymphedema
A)Assesment
Specialized Procedure 1: Interpretation and Analysis the Stages of Lymphedema
Specialized Procedure 2: Interpretation and Analysis of Skin Condition
Specialized Procedure 3: Interpretation and Analysis of Palpation
Specialized Procedure 4: Interpretation and Analysis of Stemmer' Sign Test
Specialized Procedure 5: Interpretation and Analysis of Swollen Limb Measurement
B)Treatment
Specialized Procedure 6: Consultation of Manual Lymphatic Drainage
Specialized Procedure 7: Consultation of Compression Bandaging
Specialized Procedure 8: Consultation of Remedial Exercise
Specialized Procedure 9: Consultation for Meticulous Skin, Nail Care and Instruction in Self Care
Specialized Procedure 10: Exposure to Lymph Node Removal Surgery / Lymph Node Clearance

Physiotherapy in Incontinence
(A) ASSESSMENT
Specialized Procedure 1: Interpretation and Analysis of Provocation Test
Specialized Procedure 2: Interpretation and Analysis of Digital Pelvic Floor Assessment for Female
Specialized Procedure 3: Interpretation and Analysis of Digital Pelvic Floor Assessment for Male
Specialized Procedure 4: Interpretation and Analysis of Pelvic Floor Muscle Assesment
Specialized Procedure 5: Interpretation and Analysis of Perineometer Reading
Specialized Procedure 6: Interpretation and Analysis of Bladder Diary Record
Specialized Procedure 7: Interpretation of Pelvic Floor Muscle Assessment via Realtime Ultrasound Imaging
(B) TREATMENT
Specialized Procedure 8: Consultation of Pelvic Floor Muscle Training (PFMT)
Specialized Procedure 9: Consultation for Pelvic Floor Muscle Training Dysfunction Using Adjunct (Myofeedback / Biofeedback / Pelvic Floor Educator / Vaginal Cone)
Specialized Procedure 10: Consultation of Bladder Training Programme
Specialized Procedure 11: Consultation of Counter Bracing Technique
Specialized Procedure 12: Consultation of Pelvic Floor Muscle Dysfunction using Realtime Ultrasound Imaging
Specialized Procedure 13: Exposure To Urogynaecology Operation Procedure
Summary of Physiotherapist Performance in Specialized Procedures

Physiotherapy in Hand Therapy
(A) ASSESSMENT
Specialized Procedure 1: Replantation Assessment (Forearm)
Specialized Procedure 2: Replantation Assessment (Wrist)

Specialized Procedure 3: Replantation Assessment (Digits)
Specialized Procedure 4: Flexor Tendon Repair
Specialized Procedure 5: Extensor Tendon Repair
Specialized Procedure 6: Brachial Plexus Injury (Post Operatively) Adult
Specialized Procedure 7: Interpretation and Analysis of the Adhesion and Fixed Flexion Deformity
(B) TREATMENT
Specialized Procedure 8: Biofeedback For Specialised Case/Muscle Stimulation
Specialized Procedure 9: Early Passive /Active Control Mobilisation
Specialized Procedure 10: Sensory Re Education / Desensitisation
Specialized Procedure 11: Electrical Nerve /Muscle Stimulation
Specialized Procedure 12: Exercise Upper Limb Muscle After Post Muscle /Tendon And Nerve Transfer – Brachial Plexus Injury
Specialized Procedure 13: Nerve Gliding Exercise
Specialized Procedure 14: Tendon Gliding Exercise
Specialized Procedure 15: Application Of Modified Duran Regime/ Kleinert
Specialized Procedure 16: Application of Muscle Stimulation (Post Op) (Pulse and Frequency)
Specialized Procedure 17: Prescription of Exercise Extensor Tendon Repair Regime
Specialized Procedure 18: Application Taping (Post Op)
Summary of Physiotherapist Performance in Specialised Procedures

Physiotherapy in Vestibular
Optional Procedure 1: Oculomotor test (Spontaneous Nystagmus)
Optional Procedure 2: Oculomotor test (Extra ocular eye movement)
Optional Procedure 3: Oculomotor test (smooth pursuit)
Optional Procedure 4: Oculomotor test (Saccades)
Optional Procedure 5: Oculomotor test (Gaze evoked nystagmus)
Optional Procedure 6: VOR TEST : HTT (Head thrust test)
Optional Procedure 7: VOR TEST : Dynamic visual acuity test
Optional Procedure 8: Positional test :Dix Hallpike Test
Optional Procedure 9: Balance test : Single leg stance with eye open and eye close
Optional Procedure 10: Balance test : Sharpened Romberg with eye open and eye close
Optional Procedure 11: Gait test: DGI (dynamic gait index).
Optional Procedure 12: Prescription of Canalith Repositional Maneuver
Optional Procedure 13: Prescription of Brand Daroff Habituation Exercise
Optional Procedure 14: Prescription of Gaze Stabilization exercises
Optional Procedure 15: Prescription of Balance exercise
Optional Procedure 16: Prescription of Gait exercise

Physiotherapy in Lymphedema
(A) ASSESSMENT
Optional Procedure 1: Observation of Swollen Limb and Skin Condition
Optional Procedure 2: Palpation
Optional Procedure 3: Stemmer' Sign Test
Optional Procedure 4: Measurement of Swollen Limb
(B) TREATMENT
Optional Procedure 5: Application of Manual Lymphatic Drainage
Optional Procedure 6: Application of Compression Bandaging
Optional Procedure 7: Prescription of Remedial Exercise
Optional Procedure 8: Instruction for Meticulous Skin, Nail Care and Instruction in Self Care

Physiotherapy in Incontinence
(A) ASSESSMENT
Optional Procedure 1: Provocation Test
Optional Procedure 2: Digital Pelvic Floor Assessment for Female
Optional Procedure 3: Digital Pelvic Floor Assessment for Male
Optional Procedure 4: Pelvic Floor Muscle Assessment
Optional Procedure 5: Perineometer Reading
(B) TREATMENT
Optional Procedure 6: Education of Bladder Diary Record
Optional Procedure 7: Prescription of Pelvic Floor Muscle Training (PFMT)
Optional Procedure 8: Training for Pelvic Floor Muscle Dysfunction using Adjunct (Myofeedback / Biofeedback / Pelvic Floor Educator / Vaginal Cone)
Optional Procedure 9: Bladder Training Technique
Optional Procedure 10: Counter Bracing Technique

PHYSIOTHERAPY IN HYDROTHERAPY
Optional Procedure 1: Water Quality <ul style="list-style-type: none"> i. Measuring temperature, pH, chlorine ii. Microbiological sampling
Optional Procedure 2: Safety <ul style="list-style-type: none"> i. Infection control ii. Rules & regulation
Optional Procedure 3: Hydrotherapy special techniques <ul style="list-style-type: none"> i. 10 points Halliwick ii. Bad Ragaz iii. Ai Chi Ni iv. Watsu v. Aqua aerobic
Optional Procedure 4: Hydrotherapy for Musculoskeletal cases

Optional Procedure 5: Hydrotherapy for Neurological Adult Cases
Optional Procedure 6: Hydrotherapy for Neurological Pediatric Cases
Optional Procedure 7: Hydrotherapy for Spinal Cord Injury Cases
Optional Procedure 8: Hydrotherapy for Special Target Cases

Physiotherapy in Hand Therapy
(A) ASSESSMENT
Optional Procedure 1: Pre-Op Brachial Plexus Injury
Optional Procedure 2: Cubital Tunnel Syndrome (Ulnar Nerve Entrapment)
Optional Procedure 3: Triangular Fibrocartilage Complex (TFCC)
Optional Procedure 4: Median Nerve Entrapment Syndrome
Optional Procedure 5: Radial and Ulnar Nerve Palsy
Optional Procedure 6: Collateral Ligament Injury Thumb
Optional Procedure 7: Pre and Post-Op Traumatic Fracture Management with Complication
(B) TREATMENT
Optional Procedure 8: Nerve Gliding Exercise
Optional Procedure 9: Tendon Gliding Exercise
Optional Procedure 10: Biofeedback /Electrical Stimulation – Single Muscle Belly
Optional Procedure 11: Nerve or Muscle Stimulation (According to Muscle Group / Biofeedback) (Pulse and Frequency)
Optional Procedure 12: Prescription of Exercise According the Diagnosis

Physiotherapy in Phototherapy
Optional Procedure 1: Photo Test (MED)
Optional Procedure 2: Treatment for Psoriasis (UVA - Oral/Topical + NBUVB)
Optional Procedure 3: Treatment for Vitiligo (UVA - Oral/Topical + NBUVB)
Optional Procedure 4: Treatment for mycosis Fungoides (UVA/Topical + NBUVB)
Optional Procedure 5: TREATMENT FOR ECZEMA (NBUVB)
Optional Procedure 6: TREATMENT FOR LICHEN PLANUS (NBUVB)
Optional Procedure 7: BATH PUVA (ANY SKIN CONDITION)
Optional Procedure 8: TREATMENT FOR ALOPECIA (UVA - ORAL/TOPICAL)
Optional Procedure 9: TREATMENT FOR SCLERODERMA (UVA -ORAL /TOPICAL)

PROFESION: PEMULIHAN PERUBATAN (CARA KERJA)

JURUPULIH PERUBATAN (CARA KERJA)
List Of Procedures In Advanced Procedure
5.1 Advanced Procedure 1: Amputation Rehabilitation
5.2 Advanced Procedure 2: Cardiac Rehabilitation
5.3 Advanced Procedure 3: Geriatric Rehabilitation
5.4 Advanced Procedure 4: Hand and Upper Limbs Rehabilitation
5.5 Advanced Procedure 5: Neurology Rehabilitation (Adult)
5.5.1 Advanced Procedure 5 (A): Traumatic Brain Injury Rehabilitation
5.5.2 Advanced Procedure 5 (B): Stroke Rehabilitation
5.6 Advanced Procedure 6: Paediatric Rehabilitation
5.7 Advanced Procedure 7: Spinal Rehabilitation
5.8 Advanced Procedure 8: Pulmonary and Respiratory Rehabilitation
5.9 Advanced Procedure 9: Burn and Reconstructive Surgery Rehabilitation
5.10 Advanced Procedure 10: Blind and Visual Impaired Rehabilitation
5.11 Advanced Procedure 11: Mental Health Rehabilitation
5.12 Advanced Procedure 12: Diabetic Foot Management
5.13 Advanced Procedure 13: Palliative Rehabilitation
5.14 Advanced Procedure 14: Psychological First Aids

PEGAWAI PEMULIHAN PERUBATAN (CARA KERJA)
List Of Procedures In Advanced Procedure1
6.1 Advanced Procedure 1: Amputation Rehabilitation
6.2 Advanced Procedure 2: Cardiac Rehabilitation
6.3 Advanced Procedure 3: Geriatric Rehabilitation
6.4 Advanced Procedure 4: Hand and Upper Limb Rehabilitation
6.5 Advanced Procedure 5: Neurology Rehabilitation (Adult)
6.5.1 Advanced Procedure 5 (A): Traumatic Brain Injury Rehabilitation
6.5.2 Advanced Procedure 5 (B): Stroke Rehabilitation
6.6 Advanced Procedure 6: Neurological Paediatric Rehabilitation
6.7 Advanced Procedure 7: Spinal Rehabilitation
6.8 Advanced Procedure 8: Pulmonary and Respiratory Rehabilitation
6.9 Advanced Procedure 9: Blind and Visual Impaired Rehabilitation
6.10 Advanced Procedure 10: Child and Adolescence Mental Health Rehabilitation

6.11 Advanced Procedure 11: Driving Rehabilitation
6.12 Advanced Procedure 12: Mental Health Rehabilitation
6.13 Advanced Procedure 13: Wheelchair Seating and Positioning
6.14 Advanced Procedure 14: Work Rehabilitation
6.15 Advanced Procedure 15: Psychological First Aids

PROFESION: JURUTEKNOLOGI PERGIGIAN

CORE PROCEDURES
Requirement of Cases in Core Procedures
Core Procedure 1 : Upper Full and Lower Full Denture
Core Procedure 2 : Upper Full and Lower Partial Denture
Core Procedure 3 : Upper Partial and Lower full Denture
Core Procedure 4 : Upper and Lower Partial Denture
Core Procedure 5 : Upper Partial / Lower Partial Denture
Core Procedure 6 : Immediate denture
Core Procedure 7 : Repair Denture (Broken / Crack / Replace or add Teeth)
Core Procedure 8 : Reline / Rebase denture
Core Procedure 9 : Study Model
Requirement of Cases in Specialised Procedures
A (i) Oral Maxillofacial
Specialised Procedure 1 : Surgical Plate
Specialised Procedure 2 : Model Surgery for Orthognathic
Specialised Procedure 3 : Occlusal Wafer
Specialised Procedure 4 : Splint (soft / hard)
Specialised Procedure 5 : Open Special Tray for Implant
Specialised Procedure 6 : Surgical Stent for Implant
A (ii) Orthodontic
Specialised Procedure 1 : Upper Removable Appliance
Specialised Procedure 2 : Lower Removable Appliance

Specialised Procedure 3 : Upper and Lower Removable Appliance
Specialised Procedure 4 : Twin Block / Bionator
Specialised Procedure 5 : Palatal / Lingual Arch / Quad Helix
Requirement of Cases in Optional Procedures
B (i) Oral Maxillofacial
Optional Procedure 1 : Maxillofacial Prosthesis (Eye / Nose / Ear / Facial Skin)
Optional Procedure 2 : Flexible Denture
Optional Procedure 3 : Stereolithographic (3D Model)
Optional Procedure 4 : Splint (Anterior Segmented / Nostril / Gunning / Cap)
Optional Procedure 5 : Compression Plate
Optional Procedure 6 : Stent Radiography
Optional Procedure 7 : Feeding Plate / Nasoalveolar Molding (NAM Appliance)
Optional Procedure 8 : Oyster Splint
Optional Procedure 9 : Obturator
B (ii) Orthodontic
Optional Procedure 1 : Goal Post appliances
Optional Procedure 2 : KESLING Set -Up
Optional Procedure 3 : Clip Over Bite Plane
Optional Procedure 4 : Lingual Bonded Retainer
Optional Procedure 5 : Mouth Guard
Optional Procedure 6 : Upper / Lower Expansion Screw Appliances

PROFESION: PEGAWAI OPTOMETRI

A. REQUIREMENT OF LOGBOOK CASES IN ADVANCED PROCEDURES
Advanced Procedure 1: Biometry for Complicated Cases
Advanced Procedure 2: Rigid Gas Permeable (RGP) Lens for Corneal Abnormalities
Advanced Procedure 3: Soft Contact Lens
Advanced Procedure 4: Adult Low Vision & Visual Rehabilitation
Advanced Procedure 5: Paediatric Low Vision & Visual Rehabilitation
Advanced Procedure 6: Primary Eye Care
Advanced Procedure 7: Diabetic Retinopathy Optometry Care
B. REQUIREMENT OF CASES IN SPECIALISED PROCEDURES
Specialised Procedure 1: Paediatric Biometry
Specialised Procedure 2: Semi Scleral Lens
Specialised Procedure 3: Paediatric Contact Lens
Specialised Procedure 4: Advanced Binocular Vision/Orthoptic Modul A (Non-Strabismic)
Specialised Procedure 5: Advanced Binocular Vision/Orthoptic Modul B (Strabismic)
Specialised Procedure 6: Advanced Binocular Vision/Orthoptic Modul C (Vision Therapy)
Specialised Procedure 7: Cerebral Visual Impairment (CVI)
Specialised Procedure 8: Comprehensive Eye Care
C. REQUIREMENT OF CASES IN OPTIONAL PROCEDURE
Optional Procedure: Corneal Topography (CT)

PROFESION: PEGAWAI DIETETIK

ADVANCE PROCEDURES	
1	Advanced Procedure 1: Nutrition-Focused Physical Examination (NFPE)
2	Advanced Procedure 2: Advanced Carbohydrate Counting
3	Advanced Procedure 3: Specialized Approach in Weight Management for Adult
4	Advanced Procedure 4: Specialized Approach in Weight Management for Childhood Obesity
5	Advanced Procedure 5: Dietary Management of Protein Energy Wasting (PEW) in Renal Diseases
SPECIALIZED PROCEDURES	
1	Specialized Procedure 1: Dietary Management in Enhanced Recovery After Surgery (ERAS) Protocol
2	Specialized Procedure 2: Dietary Management in Burn
3	Specialized Procedure 3: Dietary Management in Critically Ill Patient
4	Specialized Procedure 4: Dietary Management in Liver Diseases
5	Specialized Procedure 5: Dietary Management in Dysphagia
6	Specialized Procedure 6: Dietary Management in Neonates
7	Specialized Procedure 7: Dietary Management in Cow's Milk Protein Allergy (CMPA)
8	Specialized Procedure 8: Dietary Management in Cerebral Palsy / Down's Syndrome
9	Specialized Procedure 9: Dietary Behaviour Changes in Eating Disorder
10	Specialized Procedure 10: Pre-operative or Post-operative Nutrition for Gastrectomy
11	Specialized Procedure 11: Pre-Operative or Post-Operative Nutrition for Bowel Resection
12	Specialized Procedure 12: Intensive Dietary Intervention for Head and Neck Cancer Management
OPTIONAL PROCEDURE	
1	Optional Procedure 1: Dietary Management Post Renal Transplant
2	Optional Procedure 2: Dietary Management for Liver Transplant in Paediatric

3	Optional Procedure 3: Dietary Management for Bone Marrow Transplant
4	Optional Procedure 4: Dietary Management in Insulin Pump Therapy
5	Optional Procedure 5: Dietary Management in Fat Metabolism Disorders
6	Optional Procedure 6: Ketogenic Diet in Epilepsy
7	Optional Procedure 7: Protein Prescription in Protein Metabolism Disorders
8	Optional Procedure 8: Uncooked Corn Starch (UCCS) Prescription in Glycogen Storage Disorders
9	Optional Procedure 9: Fat Prescription in Pancreatic Enzyme Replacement Therapy for Cystic Fibrosis (CF)
10	Optional Procedure 10: Pre-Operative or Post-Operative Nutrition for Bariatric Surgery

PROFESION: PEGAWAI PEMULIHAN PERUBATAN (AUDIOLOGI)

Vestibular & Balance Credentialing Manual & Logbook

LIST OF PROCEDURES

NO.	ADVANCED PROCEDURES	SPECIALISED PROCEDURES
1.	<p>VESTIBULAR AND BALANCE BEDSIDE ASSESSMENT FOR ADULTS</p> <p>a. Bedside assessment</p> <ul style="list-style-type: none"> i. History Taking for vestibular and balance ii. Romberg iii. Sharpened Romberg iv. Fukuda Stepping test v. Skew Deviation vi. Head Impulse Test vii. Head Shake Test viii. Dynamic Visual Acuity ix. Modified Clinical Test Of Sensory Interaction of Balance (M-CTSIB) x. Tandem Gait xi. Dix Hallpike xii. Bruininks Oseretsky Tests of Motor Proficiency version II (BOT-2) (Balance Sub-set) <p>b. Questionnaires Domain Handicap/Quality of life (combination):</p> <ul style="list-style-type: none"> i. Vertigo Handicap Questionnaire (VHQ) ii. Dizziness Handicap Inventory (DHI) iii. Malay Version of Vertigo Symptom Scale (MVVSS) 	<p>LABORATORY VESTIBULAR AND BALANCE ASSESSMENT FOR ADULTS</p> <ul style="list-style-type: none"> i. Videonystagmography (Oculomotor Testing) ii. Videonystagmography (Rotary Chair Testing) iii. Videonystagmography (Caloric (air/water)) iv. Video Head Impulse Test (VHIT) v. Vestibular Evoked Myogenic Potentials (VEMP) <ul style="list-style-type: none"> o Cervical Vestibular Evoked Myogenic (cVEMPs) o Ocular Vestibular Evoked Myogenic (oVEMPs) vi. Subjective Visual Vertical (SVV) & Subjective Visual Horizontal (SVH) vii. Skull Vibration Induced Nystagmus Test (SVINT) viii. Posturography

NO.	ADVANCED PROCEDURES	SPECIALISED PROCEDURES
2.	<p>VESTIBULAR AND BALANCE BEDSIDE ASSESSMENT FOR PEDIATRICS</p> <p>a. Bedside assessment</p> <ul style="list-style-type: none"> i. History taking ii. Romberg iii. Sharpened Romberg iv. Fukuda Stepping test v. Skew Deviation vi. Head Impulse Test vii. Head Shake Test viii. Dynamic Visual Acuity ix. Postrotatory Test x. Pediatric Clinical Test of Sensory Interaction for Balance (P-CTSIB) xi. Tandem Gait xii. Dix Hallpike xiii. Bruininks Oseretsky Tests of Motor Proficiency version II (BOT-2) (Balance Sub-set) 	<p>LABORATORY VESTIBULAR AND BALANCE ASSESSMENT FOR PEDIATRICS</p> <ul style="list-style-type: none"> i. Videonystagmography (Oculomotor Testing) ii. Videonystagmography (Rotary Chair Testing) iii. Videonystagmography (Caloric (air/water)) iv. Video Head Impulse Test (VHIT) v. Vestibular Evoked Myogenic Potentials (VEMP) <ul style="list-style-type: none"> o Cervical Vestibular Evoked Myogenic (cVEMPs) o Ocular Vestibular Evoked Myogenic (oVEMPs) vi. Subjective Visual Vertical (SVV) & Subjective Visual Horizontal (SVH) vii. Skull Vibration Induced Nystagmus Test (SVINT) viii. Posturography
3.	NA	<p>SPECIALISED PROCEDURES (BY PATIENT)</p> <p>LABORATORY VESTIBULAR AND BALANCE ASSESSMENT FOR PSYCHOGENIC VERTIGO CASES</p> <ul style="list-style-type: none"> i. Videonystagmography (Oculomotor Testing) ii. Videonystagmography (Rotary Chair Testing) iii. Videonystagmography (Caloric (air/water)) iv. Video Head Impulse Test (VHIT) v. Vestibular Evoked Myogenic Potentials (VEMP) <ul style="list-style-type: none"> o Cervical Vestibular Evoked Myogenic (cVEMPs) o Ocular Vestibular Evoked Myogenic (oVEMPs) vi. Subjective Visual Vertical (SVV) & Subjective Visual Horizontal (SVH) vii. Skull Vibration Induced Nystagmus Test (SVINT) viii. Posturography

4.	NA	viii. Posturography
		SPECIALISED PROCEDURES (BY PROCEDURES) TARGETED VESTIBULAR REHABILITATION i. Adaptation, Habituation & Substitution ii. Canalith Repositioning Maneuver iii. Gaze Stabilisation iv. Balance Retraining Therapy v. Virtual Reality Rehabilitation

Advanced Audiometry & AEP Credentialing

B. LIST OF PROCEDURES:

PROCEDURES AND COMPONENTS		
No	ADVANCED	SPECIALIZED
1	Advanced Audiometry for Adult Patients (credentialed by procedure) Administering assessments and testing adult patients on these tests: a. Speech Audiometry b. Threshold Equalizing Noise (TEN) Test	Not applicable
2.	Advanced Auditory Evoked Potentials for Adult Patients (credentialed by procedure) a. ElectroCochleography (ECochG) b. Post Auricular Muscle Response (PAMR) c. Auditory Middle Latency Response (AMLR) d. Cortical Evoked Auditory Potentials (CAEP) e. P300 f. Mismatch Negativity (MMN)	Not applicable

Audiology (Re)Habilitation Credentialing

LIST OF PROCEDURES:

NO	ADVANCED PROCEDURES	SPECIALISED PROCEDURES
1	<p>Audiology (Re)Habilitation For Hearing Impaired Children With Hearing Aid</p> <p>A. Speech Perception Tests:</p> <ul style="list-style-type: none"> i. Phoneme & syllable task ii. Word task iii. Sentence task <p>B. Outcome Measures Using Questionnaires :</p> <ul style="list-style-type: none"> i. Quality of life ii. Handicap/ participation restriction iii. Aided performance/functional benefit <p>C. Psychosocial Education:</p> <ul style="list-style-type: none"> i. Informational Counselling ii. Personal Adjustment Counselling <p>D. Auditory Habilitation Training:</p> <ul style="list-style-type: none"> i. Auditory Skills Training ii. Auditory Verbal Techniques/ Strategies 	<ul style="list-style-type: none"> i. Auditory Verbal Therapy (with certification) ii. Audiology Habilitation Management For Children With Complex Needs
2	<p>Audiology (Re)Habilitation For Hearing Impaired Adult With Hearing Aid</p> <p>A. Speech Perception Tests:</p> <ul style="list-style-type: none"> i. Word task ii. Sentence task <p>B. Outcome Measures Using Questionnaires:</p> <ul style="list-style-type: none"> i. Quality of life ii. Handicap/ participation restriction iii. Aided performance/functional benefit <p>C. Psychosocial Education:</p> <ul style="list-style-type: none"> i. Informational Counselling ii. Personal Adjustment Counselling <p>D. Auditory Training For Hearing Impaired Adult:</p> <ul style="list-style-type: none"> i. Analytical Training ii. Synthetic Training iii. Communication Training 	<ul style="list-style-type: none"> i. Audiology (Re)habilitation Management for Adult with Complex Needs
3	<p>Audiology (Re)Habilitation For Hearing Impaired Patient With Cochlear Implant</p> <p>A. Assessment & Outcome Measures In Cochlear Implant:</p> <ul style="list-style-type: none"> i. Speech Perception Tests: <ul style="list-style-type: none"> a. Phoneme & syllable task 	<ul style="list-style-type: none"> i. Audiology (Re)habilitation Management of Patient With Cochlear Implant

	<ul style="list-style-type: none"> b. Word task c. Sentence task ii. Outcome Measures Using Questionnaires: <ul style="list-style-type: none"> a. Quality of life b. Handicap/ participation restriction c. Aided performance/functional benefit B. Candidacy Assessment C. Counselling in Cochlear Implant: <ul style="list-style-type: none"> i. Informational Counselling ii. Personal Adjustment Counselling D. Cochlear Implant Device Management: <ul style="list-style-type: none"> i. **Compulsory Basic Cochlear Implant Course ii. Cochlear Implant Programming <ul style="list-style-type: none"> a. Intra-Op Assessment b. Switch On Programming c. Programming Post Implantation <ul style="list-style-type: none"> (1) Impedance Test (2) Setting up listening program(s) using (either one) <ul style="list-style-type: none"> • Electrically Evoked Stapedial Reflex (ESRT) • Electrically Evoked Compound Action Potential (ECAP) • Behavioral Stimulation Level programming iii. Device Assessment & Troubleshooting E. Physiological Objective Measure <ul style="list-style-type: none"> i. Electrically Evoked Auditory Brainstem Response (EABR) AND/OR ii. Electrically Evoked Late Latency Response (**compulsory to have credentialing in advanced electrophysiology of the related procedures prior to filling in the logbook) <ul style="list-style-type: none"> a. Electrically Evoked Cortical Evoked Response Audiometry AND/OR b. Electrically Evoked P300 AND/OR c. Electrically Evoked Mismatch Negativity 	
4	<p>Audiology (Re)habilitation For Hearing Impaired Patient With Implantable Bone Conduction Hearing Aid/ Middle Ear Implant</p> <ul style="list-style-type: none"> A. Assessment & outcome measures: <ul style="list-style-type: none"> i. Speech Perception Tests <ul style="list-style-type: none"> a. Phoneme & syllable task b. Word task c. Sentence task ii. Outcome measures using Questionnaires <ul style="list-style-type: none"> a. Quality of life b. Handicap/ participation restriction c. Aided performance/functional benefit 	Nil

	<ul style="list-style-type: none"> B. Candidacy Assessment C. Counselling in Implantable Bone Conduction Hearing Aid/ Middle Ear Implant <ul style="list-style-type: none"> i. Informational Counselling ii. Personal Adjustment Counselling D. Device Management : <ul style="list-style-type: none"> i. Orientation & Monitoring ii. Device Fitting & Adjustment iii. Verification iv. Validation 	
5	<p>Management of FM System/ Other Assistive Listening Devices</p> <ul style="list-style-type: none"> A. Candidacy Assessment B. Device Management : <ul style="list-style-type: none"> i. Orientation & Monitoring ii. Device Fitting & Adjustment iii. Verification iv. Validation 	Nil

Tinnitus & Hyperacusis

LIST OF COMPONENT AND PROCEDURES:

COMPONENT	ADVANCED COMPETENCY
<p>A</p>	<p>TINNITUS MANAGEMENT</p> <p><u>Tinnitus Assessment</u></p> <ul style="list-style-type: none"> i. Understand tinnitus definition and theoretical foundations ii. Audiological evaluations <ul style="list-style-type: none"> a) Tinnitus specific history taking b) Tinnitus pitch matching c) Tinnitus loudness matching d) Minimum masking level e) Residual Inhibition iii. Outcome measures using Questionnaires <ul style="list-style-type: none"> a) Severity of tinnitus or impact of tinnitus to person's quality of life b) Psychological impact from tinnitus <p><u>Tinnitus Intervention</u></p> <ul style="list-style-type: none"> i. Implement tinnitus intervention techniques <ul style="list-style-type: none"> a) Counselling for tinnitus b) Sound Therapy c) Tinnitus activities therapy
<p>B</p>	<p>HYPERACUSIS MANAGEMENT</p> <p><u>Hyperacusis Assessment</u></p> <ul style="list-style-type: none"> i. Understand hyperacusis definition and theoretical foundations ii. Audiological evaluations <ul style="list-style-type: none"> a) Hyperacusis specific history taking b) Loudness discomfort level test (LDL) iii. Outcome measures using Questionnaires <ul style="list-style-type: none"> a) The impact of hyperacusis to person's quality of life b) Psychological impact from hyperacusis <p><u>Hyperacusis Intervention</u></p> <ul style="list-style-type: none"> i. Implement hyperacusis intervention techniques <ul style="list-style-type: none"> a) Counselling for hyperacusis b) Desensitization therapy

Central Auditory Processing Disorder

LIST OF PROCEDURES

NO	ADVANCED PROCEDURES	SPECIALISED PROCEDURES
1	<p>CAPD Assessment for Children</p> <p>a. Assessment</p> <ul style="list-style-type: none"> i. Cognitive Screening (according to domain) ii. Double Dichotic Digit iii. Pitch Pattern Sequence iv. Duration Pattern Sequence v. Binaural Masking Level Difference vi. Gap In Noise vii. Random Gap Detection viii. Speech in Noise ix. Competing Sentences <p>b. Outcome measures using questionnaires (according to domain)</p> <ul style="list-style-type: none"> i. Auditory processing/ attention/ language ii. Handicap/ emotional/social iii. Attention/ comprehension/ memory/ discrimination/ motivation/ performance/ speech and language problem/ auditory-visual integration 	<p>a. Management of CAPD in children with comorbid/ co-existing disorders</p> <p>Intervention and management (according to APD profiles/ deficits approach):</p> <ul style="list-style-type: none"> i. Auditory decoding deficit ii. Prosodic deficit iii. Integration deficit iv. Associative deficit v. Output organisation deficit vi. Binaural processing deficit vii. Binaural interaction deficit viii. Temporal processing deficit ix. Auditory memory deficit
2	<p>CAPD Intervention for Children:</p> <p>a. Computer Based Auditory training (CBAT) (at least 1 strategy):</p> <ul style="list-style-type: none"> i. Fast ForWord (FFW) ii. Dichotic Interaural Intensity Difference (DIID) iii. Listening in Spatialized Noise (LiSN) iv. Angel Sounds v. Earobics <p>b. Non-computer based Auditory training: non-CBAT</p> <p>c. Technology/ signal enhancement</p> <ul style="list-style-type: none"> i. Personal mic/ FM system/ other ALD ii. Hearing Aid 	

	<p>d. Central resource training strategies:</p> <ul style="list-style-type: none"> i. Self-monitoring/regulating, auditory comprehension and retention/problem-solving skills/ Compensatory strategies ii. Environmental modification iii. Memory & attention training 	
3	<p>CAPD Assessment for Adult</p> <p>a. Assessments</p> <ul style="list-style-type: none"> i. Cognitive screening (according to domain) ii. Double Dichotic Digit iii. Pitch Pattern Sequence iv. Duration Pattern Sequence v. Binaural Masking Level Difference vi. Gap In Noise vii. Random Gap Detection viii. Speech in noise ix. Competing Speech 	<p>a. Management in adults with acquired CAPD</p> <ul style="list-style-type: none"> i. Audiologic Rehabilitation relates to CAPD: <ul style="list-style-type: none"> -Clinical decision-making -Ideal timeline and audiologic rehabilitation structure -Communication strategies ii. Self-Efficacy Measures iii. Goal Attainment Scaling (GAS) iv. Functional Outcome Measures <ul style="list-style-type: none"> -Individual AR plan -Primary Communication Partner Plan
	<p>b. Outcome measures using questionnaires:</p> <ul style="list-style-type: none"> i. Quality of life ii. Social/emotional/handicap/memory/cognitive/self-efficacy iii. Aided performance/ functional benefit 	
4	<p>CAPD Intervention For Adult:</p> <p>a. Non-computer based Auditory training: non-CBAT</p>	
	<p>b. Technology/ signal enhancement</p> <ul style="list-style-type: none"> i. Personal mic/ FM system/ other ALD ii. Hearing Aid 	
	<p>c. Central Resource Training:</p> <ul style="list-style-type: none"> i. Self-monitoring/self-regulating/auditory comprehension and retention/problem-solving skills/ compensatory strategies ii. Environmental modification iii. Memory and attention training 	

PROFESION: PEGAWAI PEMULIHAN PERUBATAN (PERTUTURAN)

Advance Procedures
A) Paediatric Communication Disorders
Advance Procedure 1: Assessment of Preverbal, Receptive and Expressive Skills
Advance Procedure 2: Management of Preverbal, Receptive and Expressive Skills
Advance Procedure 3: Assessment of Pragmatic Skills
Advance Procedure 4: Management of Pragmatic Skills
Advance Procedure 5: Assessment of Speech Sound Disorders
Advance Procedure 6: Management of Speech Sounds Disorders
Advance Procedure 7: Assessment of Childhood Apraxia of Speech/ Dysarthria
Advance Procedure 8: Management of Childhood Apraxia of Speech/ Dysarthria
Advance Procedure 9: Assessment of Dysfluency
Advance Procedure 10: Management of Dysfluency
B) Acquired Communication Disorders
Advance Procedure 11: Impairment based assessment of aphasia
Advance Procedure 12: Impairment based treatment of aphasia
Advance Procedure 13: Functional/ Psychosocial/ Interactional assessment of aphasia
Advance Procedure 14: Functional/ Psychosocial/ Interactional treatment of aphasia
Advance Procedure 15: Impairment based cognitive - linguistic assessment (Traumatic Brain Injury (TBI) , Right Hemisphere Syndrome (RHS), Dementia)
Advance Procedure 16: Impairment based cognitive - linguistic treatment (TBI, RHS, Dementia)
Advance Procedure 17: Functional/ Psychosocial/ Interactional assessment of cognitive-linguistic disorders
Advance Procedure 18: Functional/ Psychosocial/ Interactional treatment of cognitive-linguistic disorders
Advance Procedure 19: Impairment based assessment of apraxia
Advance Procedure 20: Impairment based treatment of apraxia
Advance Procedure 21: Functional/ Psychosocial/ Interactional assessment of apraxia
Advance Procedure 22: Functional/ Psychosocial/ Interactional treatment of apraxia

Advance Procedure 23: Impairment based assessment of dysarthria
Advance Procedure 24: Impairment based treatment of dysarthria
Advance Procedure 25: Functional/ Psychosocial/ Interactional assessment of dysarthria
Advance Procedure 26: Functional/ Psychosocial/ Interactional treatment of dysarthria
C) Swallowing Disorders
Advance Procedure 27: Clinical Swallowing Examination
Advance Procedure 28: Modified Evan's Blue Dye Test
Advance Procedure 29: Interpretation of Instrumental Assessment of Swallowing (FEES/VFSS)
Advance Procedure 30: Compensatory Strategies
Advance Procedure 31: Rehabilitation Exercises
Advance Procedure 32: Psychosocial dysphagia assessment
D) Pediatric Swallowing & Feeding Disorders
Advance Procedure 33: Pediatric Feeding Assessment
Advance Procedure 34: Oral Motor/ Sensory Management
Advance Procedure 35: Sucking Management
Advance Procedure 36: Behavioral Feeding Management
Advance Procedure 37: Utensils/ positioning-postural and Environmental Modification
E) Voice Disorders
Advance Procedure 38: Perceptual Assessment of Voice
Advance Procedure 39: Instrumental Assessment of Voice
Advance Procedure 40: Psychosocial Assessment of Voice
Advance Procedure 41: Treatment of Voice Disorders
F) Resonance Disorders
Advance Procedure 42: Perceptual Assessment of Resonance
Advance Procedure 43: Instrumental Assessment of Resonance
Advance Procedure 44: Psychosocial Assessment of Resonance
Advance Procedure 45: Treatment of Resonance Disorders
G) Aural Rehabilitation

Advance Procedure 46: Assessment of Speech and Language in Hearing Impaired
Advance Procedure 47: Treatment of Speech and Language in Hearing Impaired
H) Augmentative & Alternative Communications
Advance Procedure 48: Assessment of Augmentative & Alternative Communications (AAC) in Children
Advance Procedure 49: Implementation of Augmentative & Alternative Communications (AAC) in Children
Advance Procedure 50: Assessment of Augmentative & Alternative Communications (AAC) in Adults
Advance Procedure 51: Implementation of Augmentative & Alternative Communications (AAC) in Adults
Aural Rehabilitation
Specialised Area 1: Management of Children with Hearing Aids
Specialised Area 2: Management of Children with Hearing Implants
Specialised Area 3: Management of Adults with Hearing Aids/ Implants
Specialised Area 4: Management of Central Auditory Processing Disorders
Specialised Area 5: Management of Hearing Impaired with multiple disabilities
Specialised Area 6: Transdisciplinary/ Multidisciplinary/ Interdisciplinary management in Hearing Impaired
Paediatric Communication Disorders
Specialised Area 1: Management of speech, language and/or communication in Children with Autisme
Specialised Area 2: Management of speech, language and/or communication in Children with Syndromes
Specialised Area 3: Management of speech, language and/or communication in Children with developmental Disorders/ learning disabilities/ multiple disabilities
Specialised Area 4: Management of speech, language and/or communication in Children with acquired cases (TBI, cancer, stroke)
Specialised Area 5: Management of speech, language and/or communication in Children with Speech Sound Disorders
Specialised Area 6: Management of speech, language and/or communication in Children with Specific Learning Impairment (SLI)
Specialised Area 7: Trans/multi/interdisciplinary management of pediatric communication disorders
Pediatric Swallowing & Feeding Disorders
Specialised Area 1: Management of Feeding Disorders in NICU
Specialised Area 2: Management of Feeding Disorders in Children with ASD
Specialised Area 3: Management of Feeding Disorders in Children with Craniofacial Anomalies/ Syndrome
Specialised Area 4: Management of Feeding Disorders in Children with

complex medical conditions (e.g: pulmonary disease)
Specialised Area 5: Management of Feeding Disorders in Children with Cancer
Specialised Area 6: Transdisciplinary/ Multidisciplinary/ Interdisciplinary management of feeding Disorders
Summary Of Speech Language Therapist's Performance In Specialised Area
Optional Procedure
Optional Procedure 1: Performing Flexible Endoscopy Evaluation of Swallowing (FEES)
Resonance Disorders
Specialised Area 1: Management of Resonance in Children with Cleft Lip /Palate
Specialised Area 2: Management of Resonance in Adult with Cleft Lip /Palate
Specialised Area 3: Management of Resonance secondary to other structural causes (submucous cleft, tumour resection, maxillary advancement, deep pharynx etc)
Specialised Area 4: Management of Resonance in Children/adults with Genetic Syndrome
Specialised Area 5: Management of Resonance due to neurogenic causes (Traumatic Brain Injury (TBI), Cerebral Vascular Accident (CVA), Cerebral Palsy (CP), neuromuscular diseases etc)
Specialised Area 6: Management of Resonance due to Mislearning
Specialised Area 7: Transdisciplinary/ Multidisciplinary/ Interdisciplinary management of Resonance Disorders
Swallowing Disorders
Specialised Area 1: Management of Dysphagia in the Geriatric & Cognitively Impaired
Specialised Area 2: Management of Dysphagia in the Neurologically Impaired
Specialised Area 3: : Management of Dysphagia in Cancer Patients
Specialised Area 4: Management of Dysphagia in ICU/CCU/HDU
Specialised Area 5: Management of Dysphagia in Tracheostomized Patients
Specialised Area 6: Management of Dysphagia in Head & Neck Trauma
Specialised Area 7: Transdisciplinary/ Multidisciplinary/ Interdisciplinary management of dysphagia
Summary Of Speech Language Therapist's Performance In Specialised Area
Optional Procedure
Optional Procedure 1: Performing Flexible Endoscopy Evaluation of Swallowing (FEES)
Voice Disorders
Specialised Area 1: Management of Organic Voice Disorders (nodule, polyp, granuloma, vocal fold palsy etc)
Specialised Area 2: Management of Functional Voice Disorders (Muscle Tension Dysphonia (MTD), puberphonia)
Specialised Area 3: Management of Psychogenic Voice Disorders
Specialised Area 4: Management of Voice Disorders in Tracheostomized Patients
Specialised Area 5: Management of Voice Disorders in Cancer Patients (Laryngectomy)

Specialised Area 6: Management of Voice Disorders in Geriatric Patients (Presbyphonia)
Specialised Area 7: Transdisciplinary/ Multidisciplinary/ Interdisciplinary management of voice Disorders

Acquired Communication Disorders
Specialised Area 1: Management of acquired communication disorders in stroke
Specialised Area 2: Management of acquired communication disorders in Traumatic Brain Injury (TBI)
Specialised Area 3: Management of acquired communication disorders in neurologically impaired (Parkinson's Disease, Myasthenia Gravis (MG), Motor Neuron Disease (MND), Amyotrophic lateral sclerosis (ALS), etc)
Specialised Area 4: Management of acquired communication disorders in Dementia
Specialised Area 5: Transdisciplinary/ Multidisciplinary/ Interdisciplinary management of acquired communication disorders