



**Figure 1:** Example of creating a ‘formula’ for expressing the attributes of an individual mnemonic by using ‘techniques’ and ‘characteristics’ identifiable.

**Box 1:** Definitions and examples of the four mnemonic 'techniques' used.

<b>I. Acronym:</b> A new word formed by using the initial letters of each word or a group of words (13).	
<b>Topic:</b> Muscles forming rotator cuff	<b>Mnemonic:</b> "SITS" (15)
<b>Information:</b> Supraspinatus, Infraspinatus, Teres minor and Subscapularis	
<b>II. Acrostic:</b> A sequence of letters that helps to remember a text (13).	
<b>Topic:</b> Names of the carpal bones (from lateral to medial).	<b>Mnemonic:</b> "She Looks Too Pretty Try To Catch Her" (15)
<b>Information:</b> Proximal row of carpal bones: Scaphoid, Lunate, Triquetral, Pisiform Distal row of carpal bones: Trapezium, Trapezoid, Capitate, Hamate	
<b>III. Rhyme:</b> It is a saying with similar terminal sounds at the end of each line (7).	
<b>Topic:</b> Innervations of the diaphragm	<b>Mnemonic:</b> "C 3, 4, 5 Keep the diaphragm alive" (18)
<b>Information:</b> The diaphragm is supplied by the Phrenic nerve (C3, 4, 5).	
<b>IV. Storytelling:</b> A story is created where each word or idea to be remembered cues the next idea that needs to be recalled (13).	
<b>Topic:</b> Origins of biceps brachii muscle	<b>Mnemonic:</b> "It's a <b>Short</b> distance to the corner. It's a <b>Long</b> distance to the <b>Supra</b> -highway (18).
<b>Information:</b> <b>Short</b> head: Coracoid process of the scapula. <b>Long</b> head: <b>Supra</b> -glenoid tubercle of the scapula.	

**Box 2:** Definitions and examples of the seven 'characteristics' considered to be identifiable in the analyzed anatomical mnemonics.

<b>1. Meaningfulness:</b> This term indicates whether a mnemonic conveys any particular meaning to the learners.			
Example: Meaningful		Example: Not meaningful	
<b>Topic:</b> Anterior relations of the descending thoracic aorta	<b>Mnemonic:</b> "LOAD" (14)	<b>Topic:</b> Branches of the external carotid artery	<b>Mnemonic:</b> "SALFOPSM" (15)
<b>Information:</b> Left lung (root), Oesophagus, Atrium (left) and Diaphragm		<b>Information:</b> Superior thyroid, Ascending pharyngeal, Lingual, Facial, Occipital, Posterior auricular, Superficial temporal & Maxillary arteries	
<b>2. Meaningful relationship:</b> This term indicates whether a mnemonic says anything that not only carries a meaning by itself but the meaning also relates to the 'topic' of the mnemonic.			
Example: Meaningfully related		Example: Not meaningfully related	
<b>Topic:</b> Anterior relations of the anterior tibial artery	<b>Mnemonic:</b> "The Fascial Retinaculum Holds Down All Structures" (14)	<b>Topic:</b> Branches of the medial cord of the brachial plexus	<b>Mnemonic:</b> "Most Medical Men Use Morphine" (15)
<b>Information:</b> Tibialis anterior, Fascia, Retinaculum (extensor), Hallucis longus, Digitorum longus, Anterior tibial nerve and Skin		<b>Information:</b> Medial pectoral nerve, Medial cutaneous nerve of the arm, Medial cutaneous nerve of the forearm, Ulnar nerve & Medial root of the median nerve	

<b>3. Humor:</b> This term indicates whether a mnemonic is ‘humorous’ (amusing/funny/comic).			
Example: Humorous		Example: Not humorous	
<b>Topic:</b> Layers of the scrotum	<b>Mnemonic:</b> “Some Damn Englishman Called It The Testis (14)	<b>Topic:</b> Erector spinae muscles of the back (from lateral to medial)	<b>Mnemonic:</b> “I Love Spinach” (14)
<b>Information:</b> Skin, Dartos muscle, External spermatic fascia, Cremasteric muscle, Internal spermatic fascia, Tunica vaginalis and Testis		<b>Information:</b> Illiocolistalis, Longissimus and Spinalis	
<b>4. Eroticism:</b> This term indicates whether a mnemonic is ‘erotic’ in nature (i.e., causing or related to sexual feelings).			
Example: Erotic		Example: Non-erotic	
<b>Topic:</b> Branches of brachial plexus	<b>Mnemonic:</b> “My Aunt Raped My Uncle” (18)	<b>Topic:</b> Tributaries of the inferior vena cava	<b>Mnemonic:</b> “I Like To Rise So High” (14)
<b>Information:</b> Musculocutaneous, Axillary, Radial, Median and Ulnar nerves		<b>Information:</b> Iliac (common), Lumbar, Testicular, Renal, Suprarenal & Hepatic veins	
<b>5. Absurdity:</b> This term indicates whether a mnemonic tells something ‘absurd’ (ridiculous or wildly unreasonable) or whether it is ‘sensible’.			
Example: Absurd		Example: Sensible	
<b>Topic:</b> Anterior relations of the root of the right lung	<b>Mnemonic:</b> “Brides Are Beastly Vains” (14)	<b>Topic:</b> Branches of the lateral cord of the brachial plexus	<b>Mnemonic:</b> “Lucy Loves Me” (15)
<b>Information:</b> Bronchus (eparterial), Artery (pulmonary), Bronchus (hyparterial), Vein (lower pulmonary)		<b>Information:</b> Lateral pectoral, Lateral root of median & Musculocutaneous nerves	
<b>6. Anatomical aspects:</b> This term means a ‘characteristic’ of a mnemonic that defines the aspect of anatomy it deals with. Each aspect is mutually exclusive with every other aspect, and this aspect explains the generic character of the ‘topic’ of the ‘information’ and ‘mnemonic’.			
Example: Anatomical aspect dealt with (Ps: Passage)			
<b>Topic:</b> Passages transmitting the three branches of the trigeminal nerve (the 5 <sup>th</sup> cranial nerve)	<b>Mnemonic:</b> “Oh! Really Sweet!” (14)		
<b>Information:</b> Foramen Ovale, foramen Rotundum and Superior orbital fissure			
<b>7. Language:</b> This term represents the language used in the mnemonic (excluding the anatomical terms). Only ‘English’ and ‘Bangla’ (Bengali) mnemonics were used in the present research.			
Example: Bangla		Example: English	
<b>Topic:</b> Contents of the adductor canal of the thigh	<b>Mnemonic:</b> “Avgvi fvBUv big, fv†jv, A_P cvKv” (20)	<b>Topic:</b> Motor supply of the median nerve in the hand	<b>Mnemonic:</b> “LOAF” (16)
<b>Information:</b> Femoral Artery, femoral Vein, saphenous Nerve, nerve to Vastus medialis, Obturator nerve (posterior division), and Profunda femoris vessels	(Example of Mnemonic in native language -Bangla)	<b>Information:</b> Lumbricals (1 <sup>st</sup> and 2 <sup>nd</sup> digits), Opponens pollicis, Abductor pollicis brevis and Flexor pollicis	