NLQ	Manual_CYPHER_Query	GPT3.5_CYPHER_Query	Status	Remark	
What is the treatment pathway for Stage IA, peripheral (T1abc, N0)	**match (n:Disease_Condition)** **where tolower(n.content) contains tolower("stage ia, peripheral (t1abc, n0)") and tolower(n.context) contains tolower('clinical stage')** **with n** **match path=(n)-[*2..5]->(t:Treatment_Option)** **return path,nodes(path);**				
What is the treatment pathway for Stage IB, peripheral (T2a, N0)	match (n:Disease_Condition) where tolower(n.content) contains "stage ib" and tolower(n.content) contains "peripheral" and tolower(n.context) contains 'clinical stage' with n match path=(n)-[*2..5]->(t:Treatment_Option) return path,nodes(path);	MATCH (n:Disease_Condition) WHERE toLower(n.content) co WITH n MATCH path=(n)-[*2..5]->(t:Treatment_Option) RETURN path	TRUE	replaced by ;	QS
What is the treatment pathway for Stage I, central (T1abc-T2a, N0)	match (n:Disease_Condition) where tolower(n.content) contains "stage i" and tolower(n.content) contains "central" and tolower(n.context) contains 'clinical stage' with n match path=(n)-[*2..5]->(t:Treatment_Option) return path,nodes(path);	MATCH (n:Disease_Condition) WHERE toLower(n.content) CONTAINS "stage i, central (t1abc-t2a, n0)" Al WITH n MATCH path=(n)-[*2..5]->(t:Treatment_Option) RETURN path, nodes(path);	TRUE		
What is the treatment pathway for Stage II (T1abc-T2ab, N1; T2b, N0)	**match (n:Disease_Condition)** **where tolower(n.content) contains "stage ii (t1abc-t2ab, n1; t2b, n0)" and tolower(n.context) contains 'clinical stage'** **with n** **match path=(n)-[*2..5]->(t:Treatment_Option)** **return path,nodes(path);**	MATCH (n:Disease_Condition) WHERE toLower(n.content) CONTAINS "stage ii (t1abc-t2ab, n1; t2b, n0)" WITH n MATCH path=(n)-[*2..5]->(t:Treatment_Option) RETURN path, nodes(path);	TRUE		
What is the treatment pathway for Stage IIB (T3, N0)	match (n:Disease_Condition) where tolower(n.content) contains "stage iib (t3, n0)" and tolower(n.context) contains 'clinical stage' with n match path=(n)-[*2..5]->(t:Treatment_Option) return path,nodes(path);	MATCH (n:Disease_Condition) WHERE toLower(n.content) CONTAINS "stage iib (t3, n0)" AND toLower(n WITH n MATCH path=(n)-[*2..5]->(t:Treatment_Option) RETURN path, nodes(path);	TRUE		
What is the treatment pathway for Stage IIIA (T3, N1)	match (n:Disease_Condition) where tolower(n.content) contains tolower("stage iiia (t3, n1)") and tolower(n.context) contains tolower('clinical stage') with n match path=(n)-[*2..5]->(t:Treatment_Option) return path,nodes(path);	MATCH (n:Disease_Condition) WHERE toLower(n.content) CONTAINS "stage iiia (t3, n1)" AND toLower(n WITH n MATCH path=(n)-[*2..5]->(t:Treatment_Option) RETURN path, nodes(path);	TRUE		

What is the treatment pathway for Stage IB, peripheral (T2a, N0); Stage I, central (T1abc-T2a, N0); Stage II (T1abc-T2ab, N1; T2b, N0); Stage IIB (T3, N0); Stage IIIA (T3, N1)	match (n:Disease_Condition)
	where tolower(n.content) contains "stage ib, peripheral (t2a, n0)" and tolower(n.content) contains tolower("Stage I, central (T1abc-T2a, N0)") and tolower(n.content) contains tolower("Stage II (T1abc-T2ab, N1; T2b, N0)") and tolower(n.content) contains tolower("Stage IIB (T3, N0)") and tolower(n.content) contains tolower("Stage IIIA (T3, N1)") and tolower(n.context) contains tolower('clinical stage')
	with n
	match path=(n)-[*2..5]->(t:Treatment_Option)
	return path,nodes(path);
		MATCH (n:Disease_Condition)
		WHERE toLower(n.content) CONTAINS "stage ib, peripheral (t2a, n0)" OR
		  toLower(n.content) CONTAINS "stage i, central (t1abc-t2a, n0)" OR
		  toLower(n.content) CONTAINS "stage ii (t1abc-t2ab, n1; t2b, n0)" OR
		  toLower(n.content) CONTAINS "stage iib (t3, n0)" OR
		  toLower(n.content) CONTAINS "stage iiia (t3, n1)"
		AND toLower(n.context) CONTAINS "clinical stage"
		WITH n
		MATCH path=(n)-[*2..5]->(t:Treatment_Option)
		RETURN path, nodes(path);
			TRUE		

What is the treatment pathway for Stage IIB (T3 invasion, N0)	match (n:Disease_Condition) where tolower(n.content) contains "stage iib" and tolower(n.content) contains 't3 invasion' and tolower(n.content) contains 'n0' and tolower(n.context) contains 'clinical stage' with n match path=(n)-[*2..5]->(t:Treatment_Option) return path,nodes(path);	MATCH (n:Disease_Condition) WHERE toLower(n.content) CONTAINS "stage iib (t3 invasion, n0)" AND to WITH n MATCH path=(n)-[*2..5]->(t:Treatment_Option) RETURN path, nodes(path);	TRUE		
What is the treatment pathway for Stage IIIA (T4 extension, N0-1; T3, N1; T4, N0-1)	match (n:Disease_Condition) where tolower(n.content) contains tolower("Stage IIIA (T4 extension, N0-1; T3, N1; T4, N0-1)") and tolower(n.context) contains tolower('clinical stage') with n match path=(n)-[*2..5]->(t:Treatment_Option) return path,nodes(path);	MATCH (n:Disease_Condition) WHERE toLower(n.content) CONTAINS "stage iiia (t4 extension, n0-1; t3, n WITH n MATCH path=(n)-[*2..5]->(t:Treatment_Option) RETURN path, nodes(path);	TRUE		
What is the treatment pathway for Stage IIB (T3 invasion, N0); Stage IIIA (T4 extension, N0-1; T3, N1; T4, N0-1)	match (n:Disease_Condition) where tolower(n.content) contains tolower("Stage IIIA (T4 extension, N0-1; T3, N1; T4, N0-1)") and tolower(n.context) contains tolower("Stage IIB (T3 invasion, N0)") and tolower(n.context) contains tolower('clinical stage') with n match path=(n)-[*2..5]->(t:Treatment_Option) return path,nodes(path);	MATCH (n:Disease_Condition) WHERE toLower(n.content) CONTAINS "stage iib (t3 invasion, n0)" OR toLower(n.content) CONTAINS "stage iiia (t4 extension, n0-1; t3, n1; t4 AND toLower(n.context) CONTAINS "clinical stage" WITH n MATCH path=(n)-[*2..5]->(t:Treatment_Option) RETURN path, nodes(path);	TRUE	OR changed by /	GC
What is the treatment pathway for Stage IIIB (T3, N2)	match (n:Disease_Condition) where tolower(n.content) contains tolower("Stage IIIB (T3, N2)") and tolower(n.context) contains tolower('clinical stage') with n match path=(n)-[*2..5]->(t:Treatment_Option) return path,nodes(path);	MATCH (n:Disease_Condition) WHERE toLower(n.content) CONTAINS "stage iiib (t3, n2)" AND toLower(n WITH n MATCH path=(n)-[*2..5]->(t:Treatment_Option) RETURN path, nodes(path);	TRUE		
What is the treatment pathway for Stage IIIA (T1-2, N2)	match (n:Disease_Condition) where tolower(n.content) contains tolower("Stage IIIA (T1-2, N2)") and tolower(n.context) contains tolower('clinical stage') with n match path=(n)-[*2..5]->(t:Treatment_Option) return path,nodes(path);	MATCH (n:Disease_Condition) WHERE toLower(n.content) CONTAINS "stage iiia (t1-2, n2)" AND toLower WITH n MATCH path=(n)-[*2..5]->(t:Treatment_Option) RETURN path, nodes(path);	TRUE		
What is the treatment pathway for Stage IIIA (T1-2, N2); Stage IIIB (T3, N2)	match (n:Disease_Condition) where tolower(n.content) contains tolower("Stage IIIA (T1-2, N2)") and tolower(n.content) contains tolower("Stage IIIB (T3, N2)") and tolower(n.context) contains tolower('clinical stage') with n match path=(n)-[*2..5]->(t:Treatment_Option) return path,nodes(path);	MATCH (n:Disease_Condition) WHERE toLower(n.content) CONTAINS "stage iiia (t1-2, n2)" OR toLower(n.content) CONTAINS "stage iiib (t3, n2)" AND toLower(n.context) CONTAINS "clinical stage" WITH n MATCH path=(n)-[*2..5]->(t:Treatment_Option) RETURN path, nodes(path);	TRUE	OR changed by /	GC

Question	Query 1	Query 2		
What is the treatment pathway for Separate pulmonary nodule(s) (Stage IIB, IIIA, IV)	match (n:Disease_Condition) where tolower(n.content) contains tolower("Separate pulmonary nodule") and tolower(n.content) contains tolower("Stage IIB") and tolower(n.content) contains tolower("IIIA") and tolower(n.content) contains tolower("IV") and tolower(n.context) contains tolower('clinical stage') with n match path=(n)-[*2..5]->(t:Treatment_Option) return path,nodes(path);	MATCH (n:Disease_Condition) WHERE toLower(n.content) CONTAINS "separate pulmonary nodule(s)" A (toLower(n.content) CONTAINS "stage iib" OR toLower(n.content) CONTAINS "stage iiia" OR toLower(n.content) CONTAINS "stage iv") WITH n MATCH path=(n)-[*2..5]->(t:Treatment_Option) RETURN path, nodes(path);	TRUE	
What is the treatment pathway for Multiple lung cancers	match (n:Disease_Condition) where tolower(n.content) contains tolower("Multiple lung cancers") and tolower(n.context) contains tolower('clinical stage') with n match path=(n)-[*2..5]->(t:Treatment_Option) return path,nodes(path);	MATCH (n:Disease_Condition) WHERE toLower(n.content) CONTAINS "multiple lung cancers" WITH n MATCH path=(n)-[*2..5]->(t:Treatment_Option) RETURN path, nodes(path);	TRUE	
What is the treatment pathway for Stage IIIB (T4, N2)	match (n:Disease_Condition) where tolower(n.content) contains tolower("Stage IIIB (T4, N2)") and tolower (n.context) contains tolower('clinical stage') with n match path=(n)-[*2..5]->(t:Treatment_Option) return path,nodes(path);	MATCH (n:Disease_Condition) WHERE toLower(n.content) CONTAINS "stage iiib (t4, n2)" AND toLower(n WITH n MATCH path=(n)-[*2..5]->(t:Treatment_Option) RETURN path, nodes(path);	TRUE	
What is the treatment pathway for Stage IIIC (T4, N3)	match (n:Disease_Condition) where tolower(n.content) contains tolower("Stage IIIC (T4, N3)") and tolower(n.context) contains tolower('clinical stage') with n match path=(n)-[*2..5]->(t:Treatment_Option) return path,nodes(path);	MATCH (n:Disease_Condition) WHERE toLower(n.content) CONTAINS "stage iiic (t4, n3)" AND toLower(n WITH n MATCH path=(n)-[*2..5]->(t:Treatment_Option) RETURN path, nodes(path);	TRUE	
What is the treatment pathway for Stage IIIB (T4, N2); Stage IIIC (T4, N3)	match (n:Disease_Condition) where tolower(n.content) contains tolower("Stage IIIC (T4, N3)") and tolower(n.content) contains tolower("Stage IIIB (T4, N2)")and tolower(n.context) contains tolower('clinical stage') with n match path=(n)-[*2..5]->(t:Treatment_Option) return path,nodes(path);	MATCH (n:Disease_Condition) WHERE toLower(n.content) CONTAINS "stage iiib (t4, n2)" OR toLower(n.content) CONTAINS "stage iiic (t4, n3)" AND toLower(n.context) CONTAINS "clinical stage" WITH n MATCH path=(n)-[*2..5]->(t:Treatment_Option) RETURN path, nodes(path);	TRUE	
What is the treatment pathway for Stage IVA (M1a) with pleural effusion	match (n:Disease_Condition) where tolower(n.content) contains tolower("Stage IVA (M1a)") and tolower(n.content) contains tolower("pleural") and tolower(n.context) contains tolower('clinical stage') with n match path=(n)-[*2..5]->(t:Treatment_Option) return path,nodes(path);	MATCH (n:Disease_Condition) WHERE toLower(n.content) CONTAINS "stage iva (m1a)" AND toLower(n.content) CONTAIN AND toLower(n.context) CONTAINS "clinical stage" WITH n MATCH path=(n)-[*2..5]->(t:Treatment_Option) RETURN path, nodes(path);	pleural effusion" GC	
What is the treatment pathway for Stage IVA (M1a) with pericardial effusion	match (n:Disease_Condition) where tolower(n.content) contains tolower("Stage IVA (M1a)") tolower(n.content) contains tolower("pericardial") and tolower(n.context) contains tolower('clinical stage') with n match path=(n)-[*2..5]->(t:Treatment_Option) return path,nodes(path);	MATCH (n:Disease_Condition) WHERE toLower(n.content) CONTAINS "stage iva (m1a)" AND toLower(n. AND toLower(n.context) CONTAINS "clinical stage" WITH n MATCH path=(n)-[*2..5]->(t:Treatment_Option) RETURN path, nodes(path);	TRUE	
What is the treatment pathway for Stage IVA (M1a) (pleural or pericardial effusion)	**match (n:Disease_Condition)** **where tolower(n.content) contains tolower("Stage IVA (M1a)") and tolower(n.content) contains tolower("pleural") and tolower(n.content) contains tolower("pericardial") and tolower(n.context) contains tolower('clinical stage')** **with n** **match path=(n)-[*2..5]->(t:Treatment_Option)** **return path,nodes(path);**			
What is the treatment pathway for Stage IVA (M1b)	match (n:Disease_Condition) where tolower(n.content) contains tolower("Stage IVA (M1b)") and tolower(n.context) contains tolower('clinical stage') with n match path=(n)-[*2..7]->(t:Treatment_Option) return path,nodes(path);	MATCH (n:Disease_Condition) WHERE toLower(n.content) CONTAINS "stage iva (m1b)" AND toLower(n.context) CONTAINS "clinical stage" WITH n MATCH path=(n)-[*2..5]->(t:Treatment_Option) RETURN path, nodes(path);	TRUE	2..5 changed to 2 CL
What is the treatment pathway for Stage IVB (M1c) disseminated metastases	match (n:Disease_Condition) where tolower(n.content) contains tolower("Stage IVB (M1c) disseminated metastases") and tolower(n.context) contains tolower('clinical stage') with n match path=(n)-[*2..7]->(t:Treatment_Option) return path,nodes(path);	MATCH (n:Disease_Condition) WHERE toLower(n.content) CONTAINS "stage ivb (m1c)" AND toLower(n. AND toLower(n.context) CONTAINS "clinical stage" WITH n MATCH path=(n)-[*2..5]->(t:Treatment_Option) RETURN path, nodes(path);	TRUE	2..5 changed to 2 CL
What is the treatment pathway for Stage IIIB (T1-2, N3)	match (n:Disease_Condition) where tolower(n.content) contains tolower("Stage IIIB (T1-2, N3)") and tolower(n.context) contains tolower('clinical stage') with n match path=(n)-[*2..7]->(t:Treatment_Option) return path,nodes(path);	MATCH (n:Disease_Condition) WHERE toLower(n.content) CONTAINS "stage iiib (t1-2, n3)" AND toLower(n.context) CONTAINS "clinical stage" WITH n MATCH path=(n)-[*2..5]->(t:Treatment_Option) RETURN path, nodes(path);	TRUE	
What is the treatment pathway for Stage IIIC (T3, N3)	match (n:Disease_Condition) where tolower(n.content) contains tolower("Stage IIIC (T3, N3)") and tolower(n.context) contains tolower('clinical stage') with n match path=(n)-[*2..7]->(t:Treatment_Option) return path,nodes(path);	MATCH (n:Disease_Condition) WHERE toLower(n.content) CONTAINS "stage iiic (t3, n3)" AND toLower(n.context) CONTAINS "clinical stage" WITH n MATCH path=(n)-[*2..5]->(t:Treatment_Option) RETURN path, nodes(path);	TRUE	
What is the treatment pathway for Stage IIIB (T1-2, N3); Stage IIIC (T3, N3)	match (n:Disease_Condition) where tolower(n.content) contains tolower("Stage IIIB (T1-2, N3); Stage IIIC (T3, N3)") and tolower(n.context) contains tolower('clinical stage') with n match path=(n)-[*2..7]->(t:Treatment_Option) return path,nodes(path);	MATCH (n:Disease_Condition) WHERE toLower(n.content) CONTAINS "stage iiib (t1-2, n3)" OR toLower(n.content) CONTAINS "stage iiic (t3, n3)" AND toLower(n.context) CONTAINS "clinical stage" WITH n MATCH path=(n)-[*2..7]->(t:Treatment_Option) RETURN path, nodes(path);	TRUE	