Phase	CT Number	Study Title	OniX Summary
Early	NCT016722	Hypoglycemia	Intervention : The intervention being tested is likely fluoxetine (Prozac), a selective serotonin reuptake inhibitor
Phase	55	Associated	(SSRI) medication.
1		Autonomic	Route of Administration : The route of administration is not explicitly mentioned in the summary, but SSRIs are
		Failure in Type 1 Diabetes	typically taken orally. Mode of Action : The study suggests fluoxetine might work by influencing serotonergic pathways that regulate the
		Mellitus (DM)	autonomic nervous system (ANS) function. SSRIs generally inhibit serotonin reuptake, but the summary mentions
		Wiemeds (Divi)	fluoxetine potentially increasing basal epinephrine levels and enhancing sympathetic nervous system (SNS)
			activity.
			Target : The target of the intervention is likely the serotonin system within the brain, aiming to influence the
			communication between the nervous system and the body's response to exercise-induced blood sugar changes.
			Conditions : The study focuses on Type 1 Diabetes Mellitus (DM) with a specific interest in hypoglycemia-
			associated autonomic failure. Sponsors:
			University of Maryland, Baltimore
			National Heart, Lung, and Blood Institute (NHLBI)
Early	NCT052816	Immune Effects	Intervention
Phase	14	of Vedolizumab	This clinical trial (NCT05281614) is investigating the effects of vedolizumab , with or without pretreatment with
1		With or Without	etanercept.
		Anti-TNF Pre- treatment in	Vedolizumab is a medication that targets a specific protein on immune cells. Standard is another medication that targets a different immune signaling pathyray.
		T1D	 Etanercept is another medication that targets a different immune signaling pathway. Route of Administration
		.10	Both vedolizumab and etanercept are likely administered intravenously (IV), though the specific route may be
			confirmed in the full study description on ClinicalTrials.gov.
			Mode of Action
	'		The study hypothesizes that vedolizumab works by blocking immune cell trafficking from the bloodstream to the
		Can	pancreas. Etanercept might further enhance this effect by influencing the expression of molecules on pancreatic cells that immune cells interact with.
		COIII	Target
			The target of vedolizumab is the integrin α4β7 protein on immune cells. Etanercept targets tumor necrosis
			factor-alpha (TNF- α), a signaling molecule involved in inflammation.
			Conditions
			The study is focused on Type 1 Diabetes (T1D) , specifically investigating the impact on the immune system in this
			condition. Sponsors
			This clinical trial is sponsored by the Benaroya Research Institute in collaboration with the University of California,
			San Diego.
'	•		

Phase	CT Number	Study Title	OniX Summary
Phase	NCT045908	An	Intervention
1	72	Immunotherapy	The intervention being tested in this clinical trial (NCT04590872) is an investigational immunotherapy vaccine
		Vaccine	called PIpepToIDC. This vaccine uses a patient's own immune cells (dendritic cells) combined with a specific beta
		(PIpepToIDC) for	cell protein.
		the Treatment	Route of Administration
		of Patients With	PlpepToIDC is likely administered by injection, though the specific route (e.g., intravenous, subcutaneous) might
		Type 1 Diabetes	be detailed in the full study description on ClinicalTrials.gov.
			Mode of Action
			PIpepToIDC is designed to work like an allergy shot. The idea is that by exposing the immune system to the beta
			cell protein in a controlled setting, the immune system can learn to tolerate these cells and stop attacking them. This, in theory, could help preserve or restore the function of beta cells in the pancreas, allowing them to
			produce more insulin.
			Target
			The target of PipepToIDC is the immune system's response to the specific beta cell protein . By inducing tolerance
			to this protein, the vaccine aims to prevent further destruction of insulin-producing cells.
			Conditions
			This clinical trial is focused on patients with Type 1 Diabetes who are still using insulin but do not have other
			diabetes-related complications.
			Sponsors
			The sponsor of this clinical trial is City of Hope Medical Center .
Phase	NCT050653		Intervention
1	72	Metformin ANd	This clinical trial (NCT05065372) is studying the combined effects of two interventions in youth with Type 1
		AutomaTEd	Diabetes:
		Insulin Delivery	Metformin: This is a medication commonly used to treat type 2 diabetes, but researchers are investigating its protected benefits in type 1 diabetes as well.
		System Effects on Renal	 investigating its potential benefits in type 1 diabetes as well. Automated Insulin Delivery System (AID System): This device continuously monitors blood sugar levels
		Vascular	Automated Insulin Delivery System (AID System): This device continuously monitors blood sugar levels and automatically delivers insulin to maintain better blood sugar control.
		Resistance,	Route of Administration
		Insulin	Metformin: This medication is likely administered orally as tablets.
		Sensitivity, and	AID System: This system delivers insulin subcutaneously through a small catheter inserted under the
		Cardiometabolic	skin.
		Function in	Mode of Action
		Youth With Type	• Metformin: The exact mechanism by which metformin works in type 1 diabetes is not fully understood,
		1 Diabetes	but it's believed to improve insulin sensitivity and potentially reduce kidney complications.
			 AID System: This device works by mimicking the function of a healthy pancreas, constantly monitoring
			blood sugar and adjusting insulin delivery to keep blood sugar levels within a target range.

Phase	CT Number	Study Title	OniX Summary
			 Metformin: This medication likely targets the liver and possibly other tissues to improve insulin sensitivity, allowing the body to utilize insulin more effectively. AID System: The target of the AID system is the bloodstream, where it monitors glucose levels and delivers insulin to maintain optimal blood sugar control. Conditions The study focuses on youth with Type 1 Diabetes. Sponsors University of Colorado, Denver is the sponsor of this clinical trial. National Heart, Lung, and Blood Institute (NHLBI) may be a collaborator but this information is not confirmed in the provided summary.
Phase	NCT058879	A Study of	Intervention
1	99	LY3532226 in Participants With Type 1 Diabetes Mellitus	This trial is evaluating the effects of LY3532226 compared to a placebo in participants with type 1 diabetes (T1DM). Route of Administration The route of administration for LY3532226 is still not available from the provided information. Mode of Action LY3532226 is believed to work by mimicking the effects of a natural hormone called gastric inhibitory polypeptide (GIP). GIP normally helps regulate blood sugar levels by stimulating insulin release and potentially suppressing glucagon secretion. By activating the GIP receptor (GIPR), LY3532226 may aim to achieve similar effects. Target The target of LY3532226 is the gastric inhibitory polypeptide receptor (GIPR) on cells within the body, particularly in the pancreas and gut. Conditions The study focuses on adults with type 1 diabetes mellitus (T1DM). Sponsors Eli Lilly and Company is sponsoring this clinical trial.
Phase 1	NCT042796 13	A Multiple Ascending Dose Trial Investigating Safety, Tolerability and Pharmacokinetic s of NNC0361- 0041	 Intervention: The intervention being tested is NNC0361-0041 plasmid, administered in ascending weekly subcutaneous doses. Plasmids are small circular pieces of DNA that can be used to deliver genetic material into cells. Route of Administration: The route of administration is subcutaneous injection (weekly). Mode of Action:

	CT Number	•	OniX Summary
			 The mode of action is not entirely clear yet, but the study suggests NNC0361-0041 might be a gene therapy intervention. By delivering genetic material, it could potentially retrain the immune system to stop attacking insulin-producing beta cells in patients with T1D. Target: The target is likely the immune system, particularly T cells that are involved in the destruction of insulin-producing beta cells. Conditions:
			The study focuses on Type 1 Diabetes Mellitus (T1D). Shows a study focuses on Type 1 Diabetes Mellitus (T1D).
			 The study is sponsored by the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), a part of the National Institutes of Health (NIH).
Phase 1	JPRN- jRCT20802 23106	A Clinical Pharmacology and Long Term Study to Evaluate the Safety, Efficacy, Pharmacokinetics and Pharmacodynami cs of Dapagliflozin Therapy in Combination With Insulin in Japanese Subjects With Type 1 Diabetes Who Have Inadequate Glycemic Control	 Intervention: This study is investigating the effects of dapagliflozin combined with insulin therapy in Japanese subjects with type 1 diabetes (T1D) who have inadequate glycemic control. Route of Administration: Dapagliflozin is likely administered orally as tablets, but this detail might not be available in the JPRN registry. Mode of Action (possible): Dapagliflozin is a sodium-glucose cotransporter 2 (SGLT2) inhibitor. It works by blocking the reabsorption of glucose by the kidneys, leading to increased glucose excretion in the urine and potentially lower blood sugar levels. Target (possible): The target of dapagliflozin is the SGLT2 protein in the kidneys. By inhibiting this protein, it prevents glucose reabsorption from the urine. Conditions: The study focuses on Japanese subjects with type 1 diabetes (T1D) with inadequate blood sugar control. Sponsors: Sponsor information might not be publicly available on JPRN.
Phase 2	NCT061806 16	Tirzepatide for the Concurrent Treatment of Obesity and Type 1 Diabetes	Intervention: • This trial is evaluating the effects of tirzepatide as an adjunct treatment for obesity in patients with type 1 diabetes (T1D). • Participants will be randomized to receive either: • Insulin treatment alone (control group) • Insulin treatment combined with tirzepatide (treatment group) Route of Administration:

hase	CT Number	Study Title	OniX Summary
			 The study description does not specify the route of administration for tirzepatide, but it's likely subcutaneous injection.
			Mode of Action:
			 Tirzepatide is believed to work by targeting multiple gut hormone receptors, including those for glucagon-like peptide-1 (GLP-1) and gastric inhibitory polypeptide (GIP). This may lead to increased insulin secretion, decreased appetite, and potentially slowed gastric emptying.
			Target:
			• Tirzepatide's target includes receptors for GLP-1 and GIP in the gut and pancreas. By acting on these receptors, it can influence hormone secretion and gut function.
			Conditions:
			The study focuses on adults with both obesity and type 1 diabetes (T1D).
			Sponsors:
			Royal North Shore Hospital
hase	IRCT20181	Comparison of	Intervention
3	106041574	Once- Versus	This clinical trial (IRCT20181106041574N1) is comparing the effectiveness of two different dosing schedules for a
	N1	Twice-Daily	long-acting insulin medication called detemir .
		Administration	One group will receive detemir once daily.
		of long-acting	The other group will receive detemir twice daily
		insulin Detemir	Route of Administration
		in children with type 1 diabetes	Detemir is likely administered subcutaneously through injection, but the specific details may be available in the full trial description.
			Mode of Action
			Detemir is a long-acting insulin analog that works by slowly releasing insulin over an extended period, typically 2
			hours. This helps to regulate blood sugar levels throughout the day and night.
			Target
			The target of detemir is the body's cells, particularly those in the muscles and liver. By mimicking the effects of natural insulin, detemir allows cells to take up glucose from the bloodstream for energy
			Conditions
			The study is focused on children with type 1 diabetes .
			Sponsors
			Tehran University of Medical Sciences.