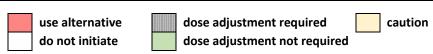
Anti-Diabetic Medications and Renal Dose Adjustment



SGLT2 inhibitors	Biguanide	Metformin (Glucophage®)	45 500-1000mg 30
Empagliflozin (Jardiance®) 30** 2 0	SGLT2 inhibitors	Canagliflozin (Invokana®)	60 100 mg 30 100 mg on dialysis
Dulaglutide (Trulicty*) Exenatide (Byetta* - immediate release) Exenatide (Victoza*) Immediate release (Inaglutide (Victoza*) Immediate release (Inaglutide (Ozempic* - inj) Immediate release (Inaglitin (Nesina*) Immediate release (Inaglitin (Nesina*) Immediate release (Inaglitin (Inajunia*) Immediate release (In		Dapagliflozin (Forxiga®)	45* 25 on dialysis
Exenatide (Byetta® - immediate release) So		Empagliflozin (Jardiance®)	30** 20
GLP-1R agonists Exenatide (Bydureon® – extended release) Exenatide (Bydureon® – extended release) Liraglutide (Victoza®) Lixisenatide (Adlyxine®) 30	GLP-1R agonists	Dulaglutide (Trulicty®)	15
Exenatide (Bydureon* - extended release)		, ,	50 3 <mark>0</mark>
Extended release Liraglutide (Victoza®) Lixisenatide (Adlyxine®) 30		•	
Liraglutide (Victoza®)		` .	50 30
Semaglutide (Ozempic® - inj) 30 30 30 30 30 30 30 3		Liraglutide (Victoza®)	15
Semaglutide (Rybelsus® - oral) 30		Lixisenatide (Adlyxine®)	30
Algogliptin (Nesina®) Linagliptin (Trajenta®) Saxagliptin (Onglyza®) Sitagliptin (Januvia®) Algogliptin (Insulin secretagogues Insulin secretagogues Algogliptin (Nesina®) Linagliptin (Trajenta®) Saxagliptin (Onglyza®) Sitagliptin (Januvia®) Algogliptin (Insulina®) Algogliptin (Nesina®) Algogliptin (Nesin		Semaglutide (Ozempic® – inj)	30
Linagliptin (Trajenta®) 15 15 15 15 15 15 15 1		Semaglutide (Rybelsus® – oral)	30
DPP-4 inhibitors Saxagliptin (Onglyza®) Sitagliptin (Januvia®) Gliclazide regular release (Diamicron®) Gliclazide MR (Diamicron MR®) Glimepiride (Amaryl®) Glyburide (Diabeta®) Repaglinide (GlucoNorm®) Thiazolidinediones Alpha-glucosidase inhibitor Saxagliptin (Onglyza®) 45 50mg 30 25 mg. 60 30 60 30 60 30 Floglitazone (Actos®) Repaglinide (GlucoNorm®) Floglitazone (Actos®) Rosiglitazone (Avandia®) Acarbose (Glucobay®) Alpha-glucosidase inhibitor	DPP-4 inhibitors	Algogliptin (Nesina®)	60 12.5mg 30 6.25mg
Saxagliptin (Onglyza®) Sitagliptin (Januvia®) Sitagliptin (Januvia®) Gliclazide regular release (Diamicron®) Gliclazide MR (Diamicron MR®) Gliclazide MR (Diamicron MR®) Glimepiride (Amaryl®) Glyburide (Diabeta®) Repaglinide (GlucoNorm®) Thiazolidinediones Alpha-glucosidase inhibitor Acarbose (Glucobay®) Alsha-glucosidase inhibitor		Linagliptin (Trajenta®)	15
Gliclazide regular release (Diamicron®) Gliclazide MR (Diamicron MR®) Gliclazide MR (Diamicron MR®) Glimepiride (Amaryl®) Glyburide (Diabeta®) Glyburide (Diabeta®) Glyburide (GlucoNorm®) Glyburide (Glyburide (GlucoNorm®) Glyburide (Glyburide (Glyb		Saxagliptin (Onglyza®)	45 2.5mg 1 <mark>5</mark>
Insulin secretagogues Gliclazide MR (Diamicron MR®) 60 30 Glimepiride (Amaryl®) 60 30 Glyburide (Diabeta®) 60 Repaglinide (GlucoNorm®) 30 Thiazolidinediones Pioglitazone (Actos®) 60 Rosiglitazone (Avandia®) 60 Alpha-glucosidase inhibitor Acarbose (Glucobay®) 30 Alpha-glucosidase inhibitor Acarbose (Glucobay®) 30 Comparison of the property of the prope		Sitagliptin (Januvia®)	45 50mg 30 25 mg.
Insulin secretagogues Glimepiride (Amaryl®) Glyburide (Diabeta®) Repaglinide (GlucoNorm®) Thiazolidinediones Pioglitazone (Actos®) Rosiglitazone (Avandia®) Alpha-glucosidase inhibitor Glimepiride (Amaryl®) 60 30 60 Acarbose (Glucobay®) 30 Acarbose (Glucobay®)	Insulin secretagogues		60 30
Glyburide (Diabeta®) Repaglinide (GlucoNorm®) Thiazolidinediones Pioglitazone (Actos®) Rosiglitazone (Avandia®) Alpha-glucosidase inhibitor Acarbose (Glucobay®) Glyburide (Diabeta®) 6 0 0 Acarbose (Glucobay®) 30 Acarbose (Glucobay®)		Gliclazide MR (Diamicron MR®)	60 30
Repaglinide (GlucoNorm®) Thiazolidinediones Repaglinide (GlucoNorm®) Pioglitazone (Actos®) Rosiglitazone (Avandia®) Alpha-glucosidase inhibitor Acarbose (Glucobay®) 30 Acarbose (Glucobay®)		Glimepiride (Amaryl®)	60 3 <mark>0</mark>
Thiazolidinediones Pioglitazone (Actos®) Rosiglitazone (Avandia®) Alpha-glucosidase inhibitor Acarbose (Glucobay®) Acarbose (Glucobay®)		Glyburide (Diabeta®)	60
Thiazolidinediones Rosiglitazone (Avandia®) Alpha-glucosidase inhibitor Acarbose (Glucobay®) 30		Repaglinide (GlucoNorm®)	30
Rosiglitazone (Avandia®) 60 Alpha-glucosidase inhibitor Acarbose (Glucobay®) 30	Thiazolidinediones	Pioglitazone (Actos®)	60
		Rosiglitazone (Avandia®)	60
Insuline All insulin	Alpha-glucosidase inhibitor	Acarbose (Glucobay®)	30
insulins All insulin	Insulins	All insulin	30



^{*} D/C at eGFR <45 mL/min due to lack of glycemic efficacy, but may continue for heart failure and CKD indication until dialysis, but not to initiate at <25 mL/min.

Created by Michelle Lee, RPh, BScPharm. Last updated March 2022. Based on product monograph precautions.

Adapted from Lipsombe L, Booth G, Butalia S, Dasgupta K, et al. Diabetes Canada 2018 Clinical Practice Guidelines for the Prevention and Management of Diabetes in Canada: Pharmacologic Glycemic Management of Type 2 Diabetes in Adults. Can J Diabetes 2018;42(Suppl 1):S88-S103. Figure 2 Antihyperglycemic medications and renal function.



^{**}D/C at eGFR <30 mL/min due to lack of glycemic efficacy, but may continue for heart failure indication until <20 mL/min.