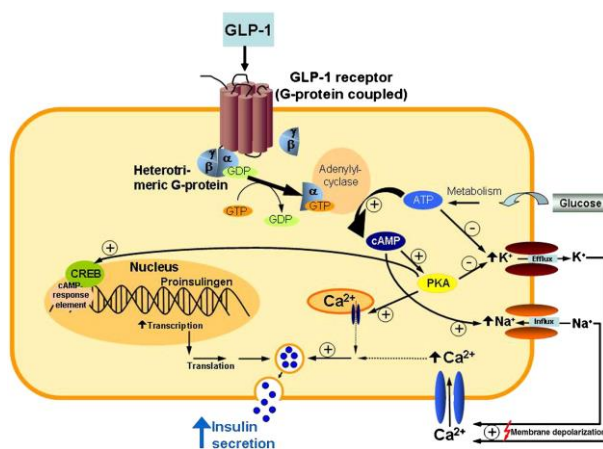
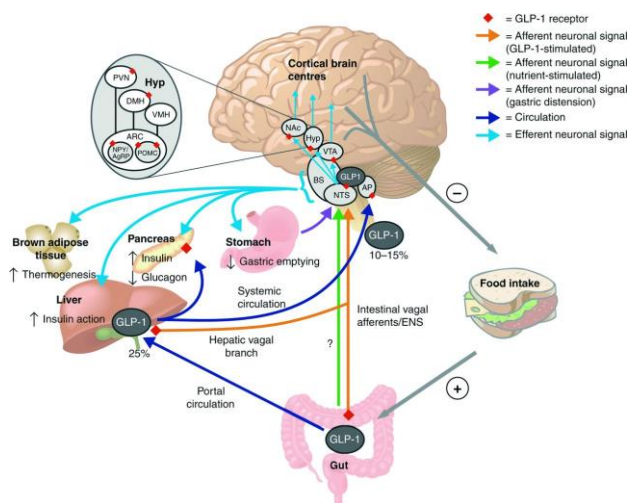


Liraglutide

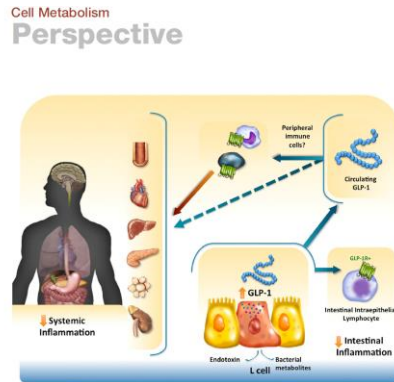
Typ 2 diabetes för ungdomar

Liraglutide för typ 2 diabetes = Victoza
 Liraglutide för fetma = Saxenda

Liraglutide mechanisms of importance for type 2 diabetes treatment and weight loss

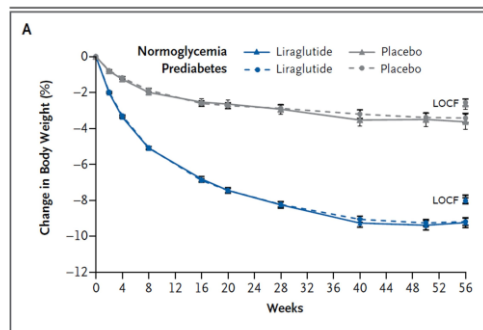


GLP-1 has positive effects on inflammation



Liraglutide effects on weight loss in adults

- 20-30% are non responders
- Side effects: gastrointestinal, primarily
- Possible severe effect: pancreatitis
- Positive long-term effects on cardiovascular risks



NEJM 2015

Ongoing study for adolescents 12-18 years

- Worldwide multicenter study
- 52 weeks treatment after 2 months run-in with behavioral modification
- Blind RCT = 50% have placebo injections for one year
- Results in october 2019??

The NEW ENGLAND JOURNAL of MEDICINE

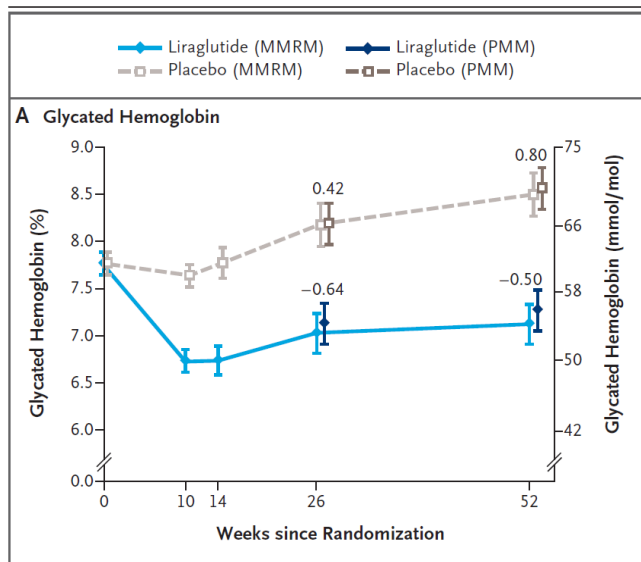
ORIGINAL ARTICLE

Liraglutide in Children and Adolescents with Type 2 Diabetes

- RCT i 20(?) länder, n= 134
- Typ 2 diabetes 10-17 år, medel 14,6 år
- Medel BMI 34
- Högt HbA1C trots behandling med metformin
- 26 veckor dubbel blind + 26 v öppen studie
- Dos initialt 0,6 mg/dag ökas till max 1,8 mg/dag beroende på f-glukos

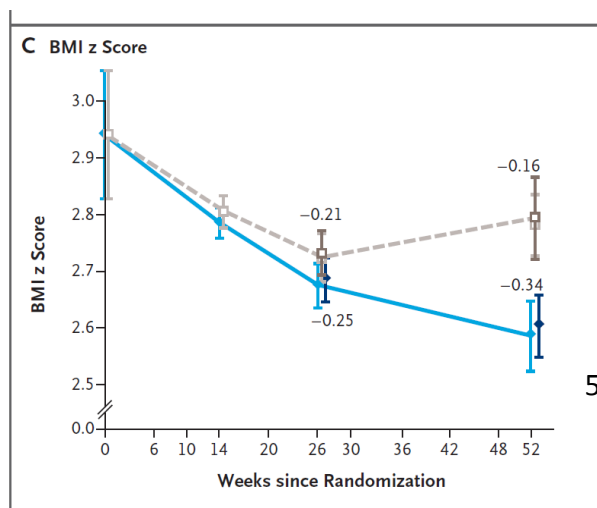
N ENGL J MED 381;7 NEJM.ORG AUGUST 15, 2019

Effects of Liraglutide on HbA1C



Biverkningar:
 Mag tarm besvär: illamående,
 diarrer, kräkningar
 Lindriga hypoglukemier

Effect of Liraglutide on weight



50% of the patients reached 1.8mg / day

