

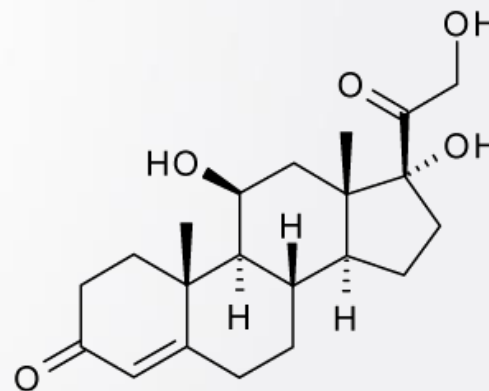
Mátingar av strongd (kortisol) hjá alilaksi

Kortisol = stresshormon

Elin Djurhuus Samuelson, Ása Jacobsen, Elin Jacobsen, Margreta Dam & Jonhard Eysturskarð



Kortisol í **slipu**



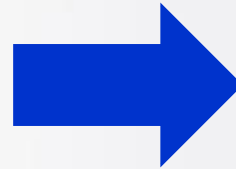
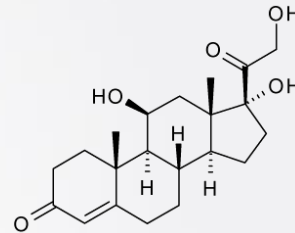
Kortisol í **plasma**

Strongd og møguligar avleiðingar

Treingja/Handfara/
Transport/Útseting

**Virus, Lús,
Lúsaviðgerð**

Ammonia/Nitrit/Nitrat
O₂/CO₂



Kortisol ↑

Mótstöðuførisskipan/
Immunverjan ↓

Sárlekjing ↓

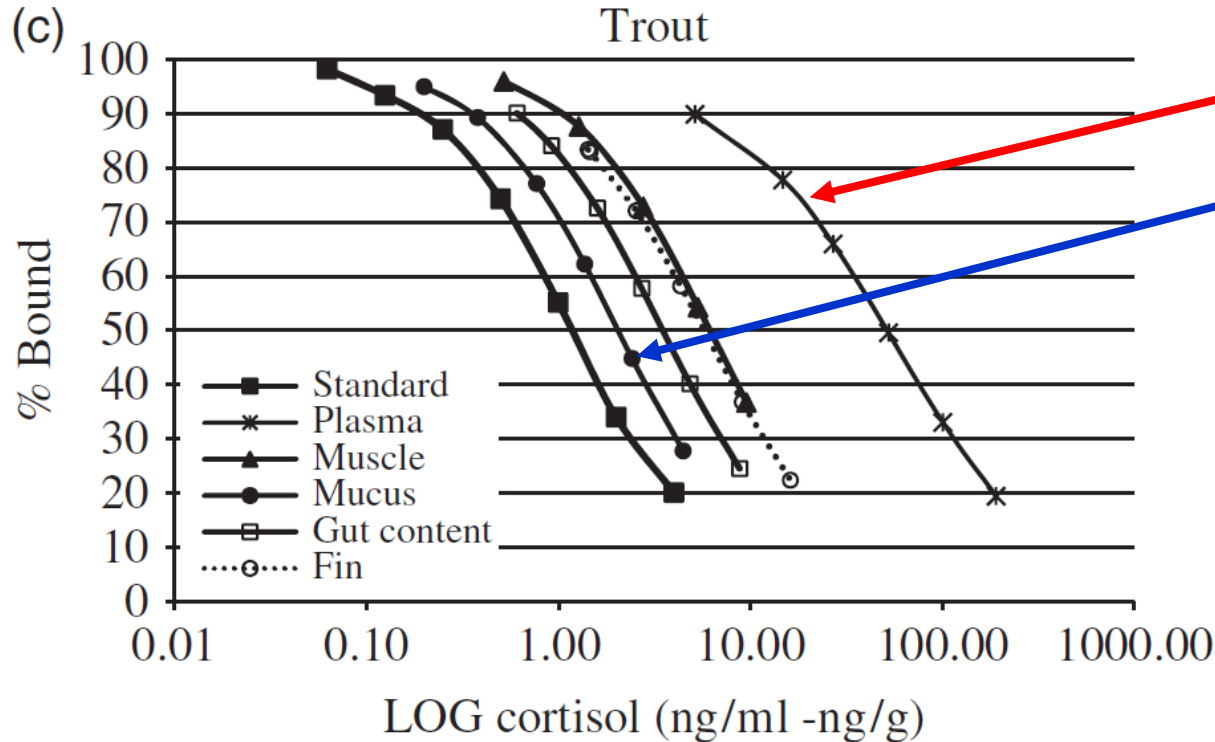
Bindivevnaður ↓

Vøkstur ↓

Sjúka og felli ↑



Kortisol í slipu og plasma “2010”



✓ Plasma kortisol

✓ Slipu kortisol

✓ Tarminnihald

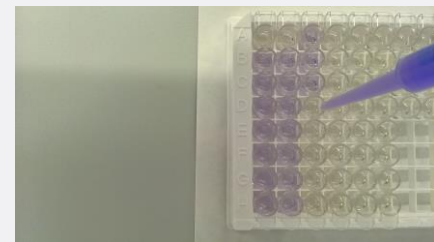
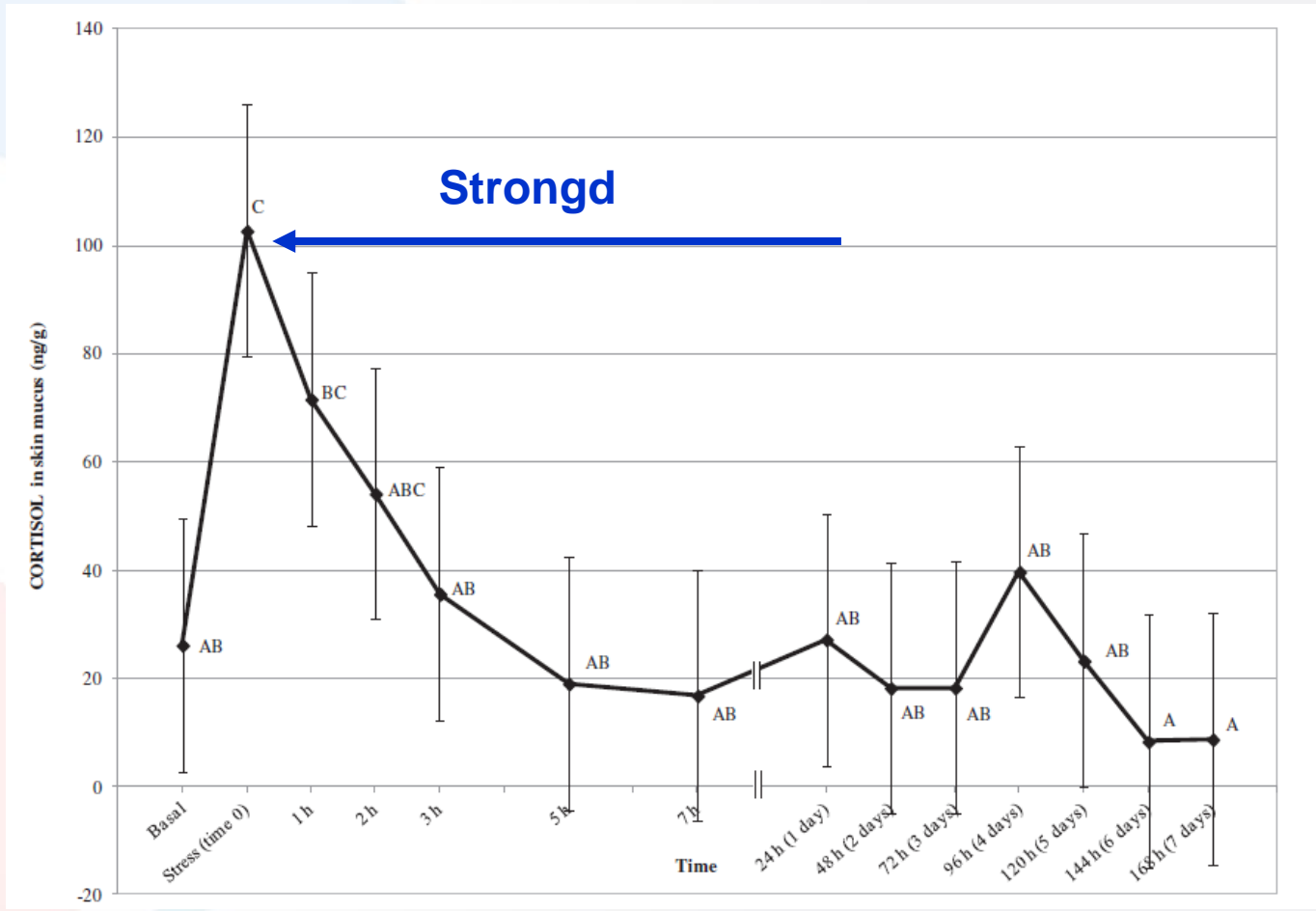
✓ Vøddar

✓ Stertur



“Non-invasive,
quick and
simple”

Kortisol mátingar í slipu “2017/2018”



Útseting hjá Hiddenfjord

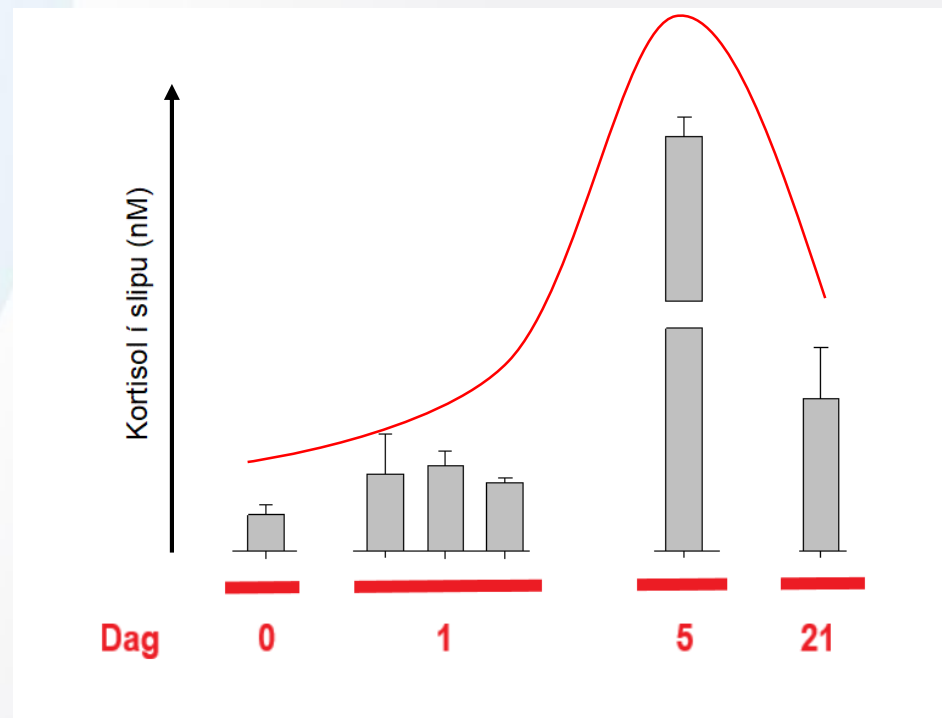


Dag 0: kortisolvirðini vóru lág

Dag 1: (transport): kortisolvirðini vóru relativt lág

Dag 5: (fimm dagar eftir at sett varð út á sjógv): kortisolvirðini vóru nógv hægri

Dag 21: kortisolvirðini vóru lægri, men tó ikki líka lá sum við byrjan



Útseting hjá Hiddenfjord

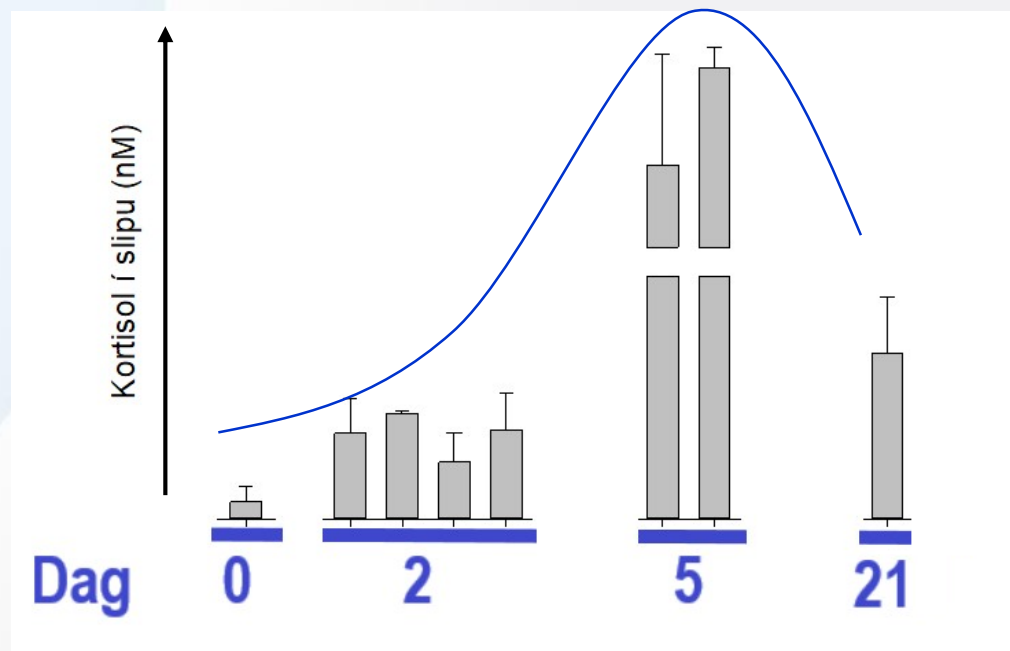


Dag 0: kortisolvirðini vóru lág

Dag 2: (transport): kortisolvirðini vóru relativt lág

Dag 5: (fimm dagar eftir at sett varð út á sjógv): kortisolvirðini vóru nógv hægri

Dag 21: kortisolvirðini vóru lægri, men tó ikki líka lá sum við byrjan



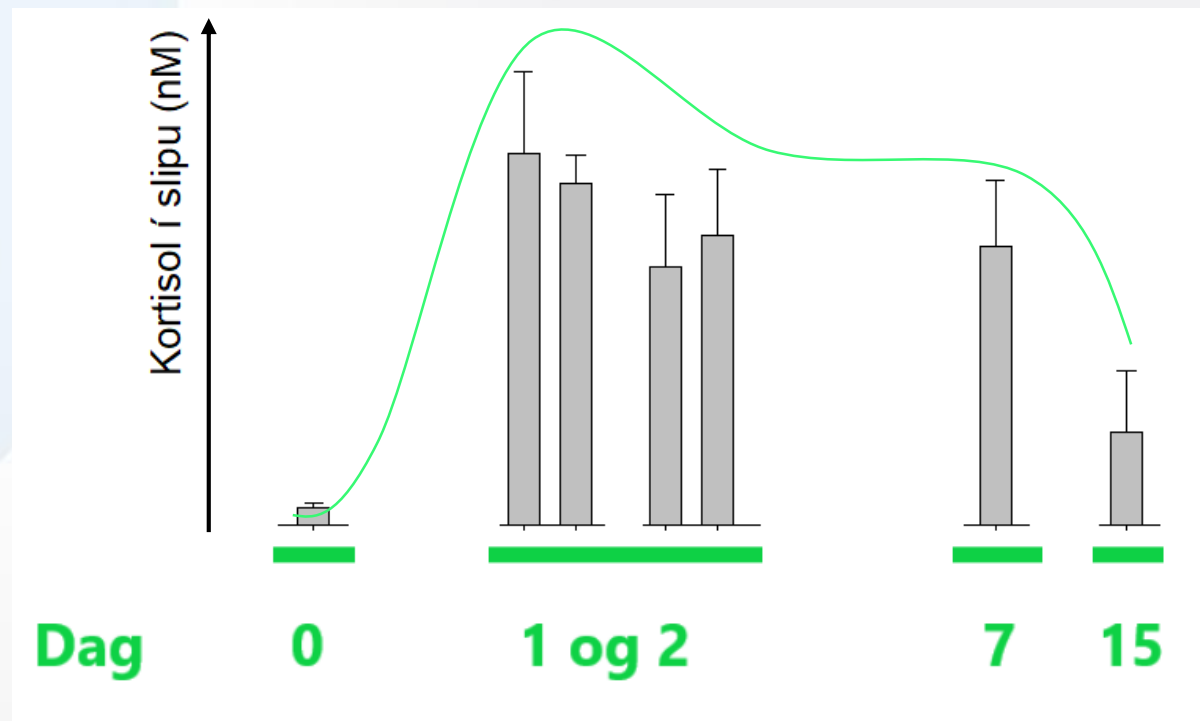
Útseting hjá Bakkafrost

Dag 0: kortisolvirðini vóru lág

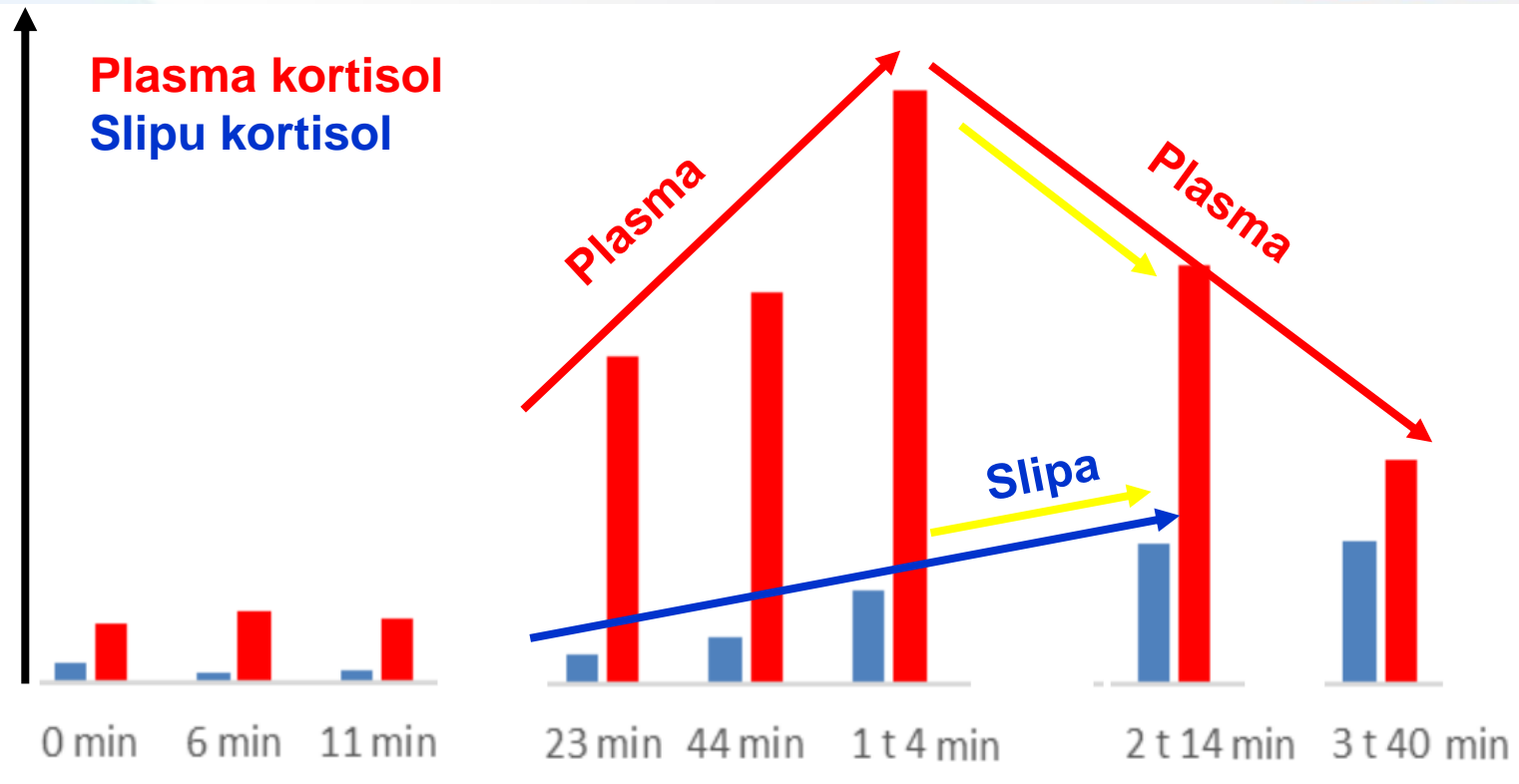
Dag 1 og 2: (transport við XYZ): kortisolvirðini vóru høg

Dag 7: (5-7 dagar eftir at sett varð út á sjógv): kortisolvirðini vóru høg

Dag 15: kortisolvirðini vóru lægri, men tó ikki líka lá sum við byrjan

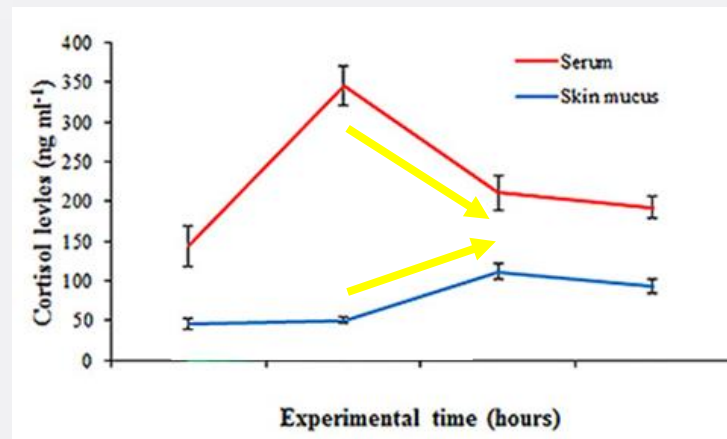


Roynd í Nesvík (treingja)

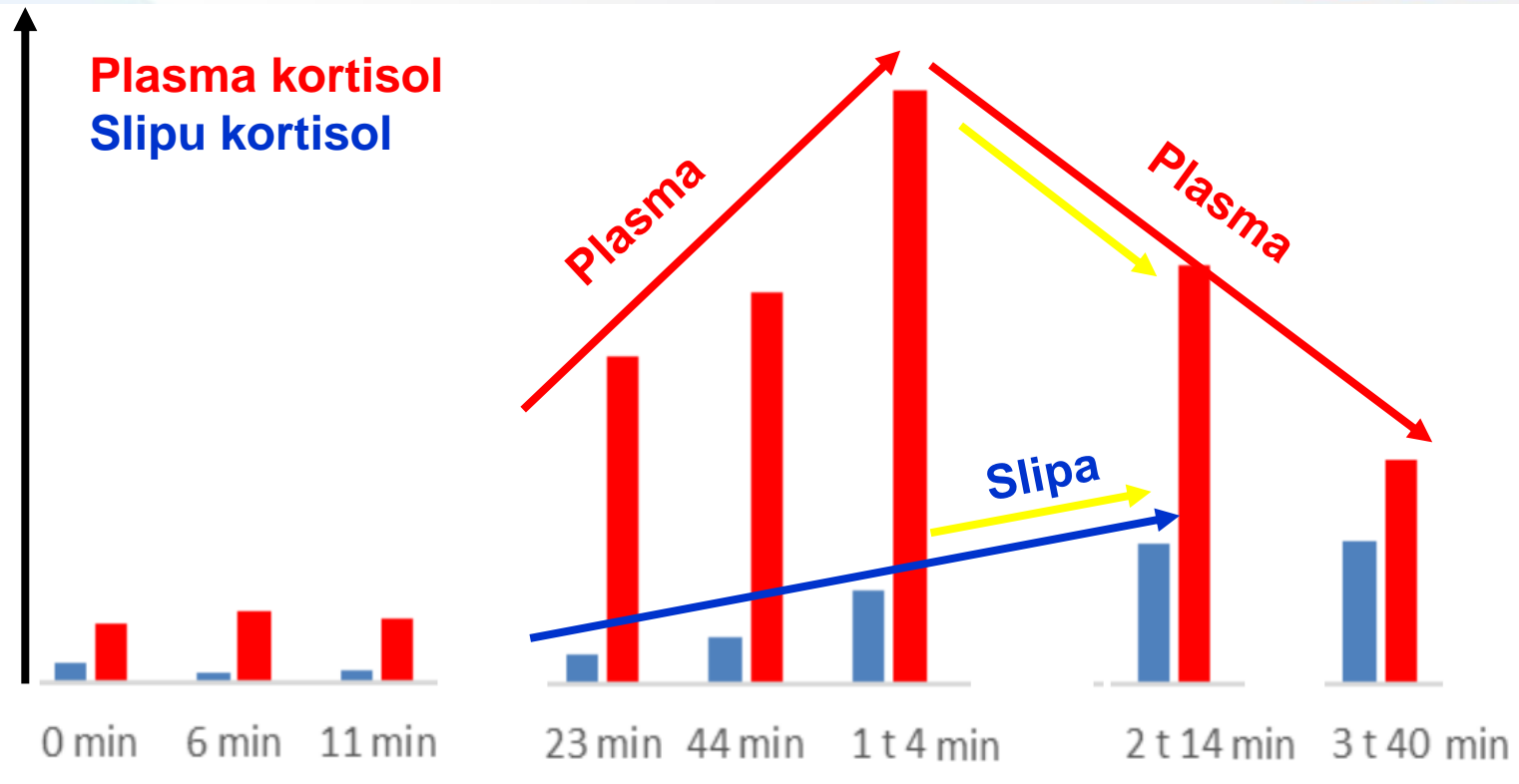


Using **skin mucus** to evaluate stress in seabream (*Sparus aurata* L.)

Guardiola, Cuesta & Esteban (2016).
<https://www.sciencedirect.com/science/article/pii/S1050464816307008#>

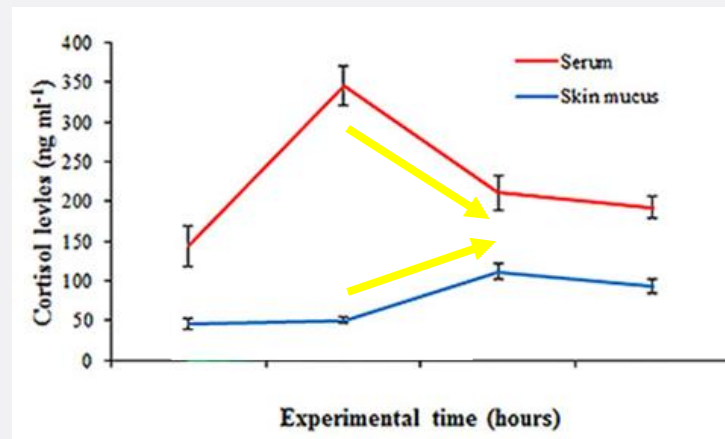


Roynd í Nesvík (treingja)



Using **skin mucus** to evaluate stress in seabream (*Sparus aurata* L.)

Guardiola, Cuesta & Esteban (2016).
<https://www.sciencedirect.com/science/article/pii/S1050464816307008#>



Niðurstøða

- **Strongd/kortisol mátingar ísv.**
 - útseting
 - skiljing
 - **lúsaviðgerð**
- **Endamálið er**
 - at **minka um strongd**
 - at albøta mannagongdir
- **Kortisol** kann brúkast sum ein **vælfærðarparametur**
- **Djóraverndarlógin skal dagførast**



Takk fyri

