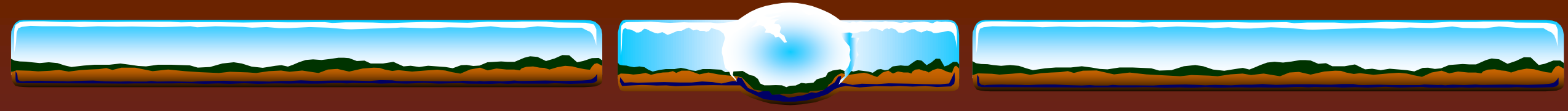




COVID-19 Clinical Update

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Disclosures



Testing update

- ❖ **Abbott ID NOW (News Release from Abbott)**
 - ❖ **Multi-site Urgent Care Clinic Study ID NOW compared with PCR:**
 - ❖ 94.7% positive agreement (sensitivity), 98.6% negative agreement (specificity)
 - ❖ **Everett Clinic Study ID NOW vs PCR**
 - ❖ 91.3% sensitive, 100% specific
 - ❖ **Hospitalized/Nursing home study**
 - ❖ 83.3% sensitive, 96.5% specific
- ❖ **FDA:** Negative tests should be confirmed with another methodology



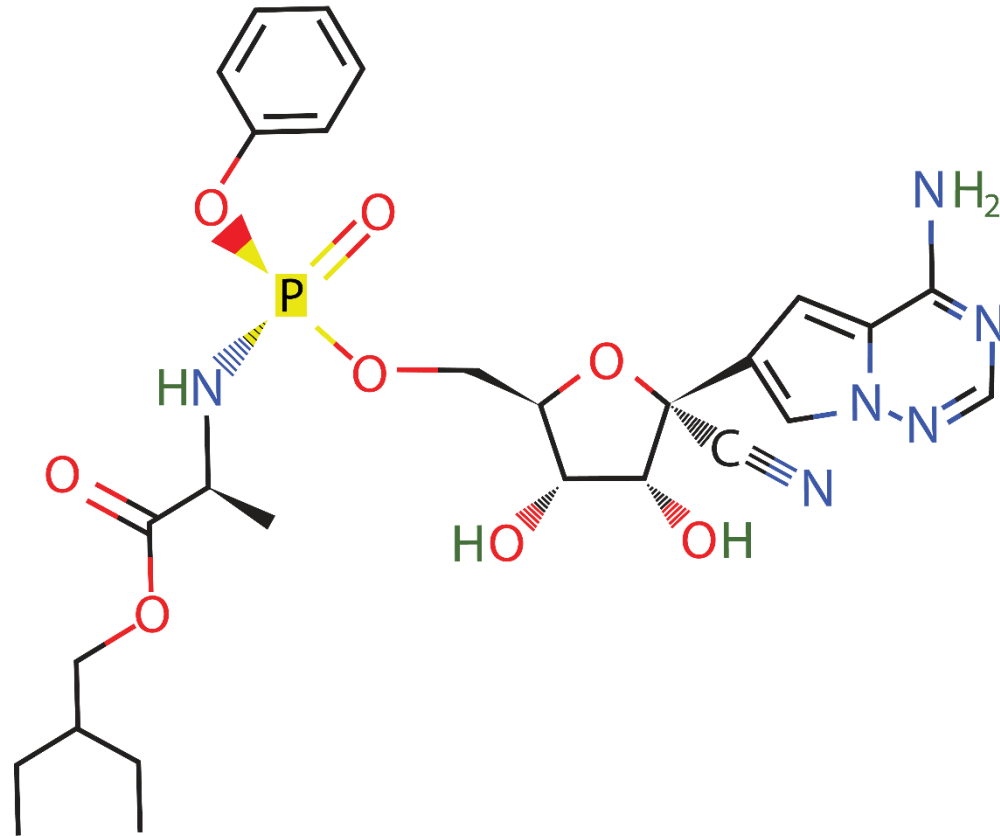
CDC Covid-19 Ab testing

- ❖ Use Serologic assays for SARS-CoV-2 with **EUA from FDA**
- ❖ **No advantage** between IgG, IgM and IgG or total Ab assays
- ❖ Choose assays with **high specificity** and **populations with elevated likelihood of previous exposure** to avoid false positives
 - ❖ Alternatively, require orthogonal testing with two sequential independent tests
- ❖ Abs turn positive at 1-3 weeks after symptom onset
- ❖ **Antibodies are not proof of immunity** and should not inform public health (change social distancing, stop PPE use, etc).

<https://www.cdc.gov/coronavirus/2019-ncov/lab/resources/antibody-tests-guidelines.html>

Remdesivir

Remdesivir





Remdesivir for Treatment of COVID-19

Beigel et al, NEJM 5/22/2020

- ❖ 1063 patients randomized to Remdesivir vs placebo (1059 analyzed)
- ❖ **Median time to recovery** was 11 vs 15 days
 - ❖ Recovery rate ratio was 1.33 $P < 0.001$
- ❖ **Kaplan Meyer mortality estimate** at day 14 was 7.1% vs 11.9%
 - ❖ Hazard ratio for death was 0.70 (CI 0.47-1.04)
- ❖ **Adverse Events:** 21.2% on Remdesivir, 27% in placebo
 - ❖ 5.2% had respiratory failure with Remdesivir, 8% with placebo
- ❖ **Conclusion:** Remdesivir shortens time to recovery
 - ❖ “It is clear the treatment with an antiviral drug alone is not likely to be sufficient”



More COVID-19 Training

- ❖ **CDC:** <https://www.cdc.gov/coronavirus/2019-ncov/hcp/index.html>
- ❖ **ACP Physician Handbook:** <https://www.acponline.org/clinical-information/clinical-resources-products/coronavirus-disease-2019-covid-19-information-for-internists>
- ❖ **UW Protocols:** <https://covid-19.uwmedicine.org/Pages/default.aspx>
- **UW IDEA Program:** <https://covid.idea.medicine.uw.edu/>
- **NIH Guidelines:** <https://covid19treatmentguidelines.nih.gov/>
- ❖ **Brigham and Women's Hospital:** covidprotocols.org



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& COMPASSION.

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