clustered transmission events, hot spots, and

superspreader potential of SARS-CoV-2/COVID

warrant full exploitation of real-time disease

mapping by employing geographical information

systems (GIS), such as the GIS software Kosmo 3.1,

web-based real-time tools and dashboards, apps, and

advances in information technology (356-359).

Researchers have also developed a few prediction

tools/models, such as the prediction model risk of

bias assessment tool (PROBAST) and critical

appraisal and data extraction for systematic reviews

of prediction modeling studies (CHARMS), which

could aid in assessing the possibility of getting

infection and estimating the prognosis in patients;

however, such models may suffer from bias issues

and, hence, cannot be considered completely

trustworthy, which necessitates the development of

new and reliable predictors (360).

VACCINES, THERAPEUTICS, AND

DRUGS

Recently emerged viruses, such as Zika, Ebola,

and Nipah viruses, and their grave threats to humans

have begun a race in exploring the designing and

developing of advanced vaccines, prophylactics,

therapeutics, and drug regimens to counter emerging