

echn gie. i inc de e ie ing he ge i n f ad i i na
inac i a ed and i e accine he i n d c i n f ec binan DNA
echn g, nan a ic e-ba ed accine, and RNA accine. e
ana i highigh he echn gica bea h gh, cha hec ea i n
f he he a i i B accine, hich ed ec binan echni e, and he
a idde en f RNA accine d ing he COVID-19 ande ic.
A ic e, c i n i c a i a, and ee - e ie ed die ee ana ed
ac he i e ne in he de e en f each ne echn g and
a e hei i ac n accine e cac and afe [7].

C. I G H I :
T nde and he acica a icai n f he e accine echn gie,
he eh d g inc de he e a inai n fca e die f cce f
accina i n ga . ee ca e die f c n g ba hea h
in i a i e, cha he WHO' E anded P ga n I ni a i n
(EPI) and he e f gani a i n i e GAVI in inc ea ing accine
acce in -inc ec n i e. e ana i f c e n h he e
g a ha ei e en ed ne accine a egie and echn gie
in di e e e ing, inc ding he cha enge faced and he cce e
achie ed. Ke daa n i ni a i n a e, di ea e ed c i n, and
a i n hea hi e en a e ana ed de e ine hei ac
f he e i n i a i e n edia ic hea hg ba [8].

C. I G H I :
I : A a f he eh d g, a e fc en end
in accine e ea ch i c nd ced b e ie ing he a e e ea ch
n e na i ed i ni a i n and c ing-edge accine af .
i inc de in e iga ing h ad ance en in gen ic and
i n g a e ha ing he f e f edia ic accine, i h a f c
n eci i n edicine. S die e ing gene ic ing, i ne
e e n e, and e na i ed accina i n ched e a e a e ed
nde and he en ia f he e i n a i n i n i ing accine
e cac and ed cing ide e ec . e e ie f c en i e a ea
inc de echn gica de e en in need e-fee accine de i e,
he abe , and h he e a be inc a ed in f e
edia ic accina i n ga [9].

D C A I : Fina , he
eh d g inc a e an ana i f e ide i gica da a n he
i ac f edia ic accina i n a egie e i e. i inc de
da a n accina i n c e age a e, incidence f accine- e en abe
di ea e, and hea h c e in chi d en. P b ic hea h da f
na i na i ni a i n ga , in e na i na hea h gani a i n,
and accina i n e ee ana ed e a a e he e eci ene f
accina i n ca aign, b h i n e f ed cing chi dh d ai