



Discussions > Taxonomic Opinions

Human Coronavirus-OC43



Offline [yavarian](#) 194.225.57.52 *over 2 years ago*

Hi Dear,

I can not find HCoV-OC43 in new ICTV taxonomy?

May I ask you help me?

Thanks a lot

Jila

Top Replies



Offline [Eduardo Rodríguez-Román](#) *over 2 years ago* +2

Hi Jila,

In 2008 (please see ICTV codes: 2008.98V; 2008.100V; 2008.121V) in the Revision 2008.085-126V

2008.98V...



Online [admin](#) *over 2 years ago in reply to yavarian* +1

If you look at the history link for the species *Betacoronavirus 1*, <https://talk.ictvonline.org/taxonomy>



Offline [Eduardo Rodríguez-Román](#) 164.41.132.60 *over 2 years ago*

Hi Jila,

In 2008 (please see ICTV codes: 2008.98V; 2008.100V; 2008.121V) in the Revision 2008.085-

126V, HCoV-OC43 and other species were united as a single species called *Betacoronavirus 1*.

2008.98V

"To assign the following as species in the new genus (***Betacoronavirus*, in 2008.097V**): *Betacoronavirus 1* (new) (comprised of existing species BCoV, HCoV-OC43, ECoV, HECov, PHEV and of canine respiratory coronavirus, CrCoV)".

2008.100V

"A new species, *Betacoronavirus 1*, is proposed to accommodate previously established *Betacoronavirus* species of humans, cattle, swine and horses (*Human enteric coronavirus*; *Human coronavirus OC43*; *Bovine coronavirus*; *Porcine hemagglutinating encephalomyelitis virus*; *Equine coronavirus*) and a newly recognized virus of dogs (canine respiratory coronavirus; Erles et al., 2007)".

2008.121V

To remove (abolish) the following taxa:

"Species *Human enteric coronavirus*; *Human coronavirus OC43*; *Bovine coronavirus*; *Porcine hemagglutinating encephalomyelitis virus*; *Equine coronavirus* (these are to be united in a new species *Betacoronavirus 1* in a new genus *Betacoronavirus*)".

So, since 2009 HCoV-OC43 is part of the species *Betacoronavirus 1*.

In the current release, you can see the HCoV-OC43 as:

Riboviria* > >*Nidovirales* > >*Cornidovirineae* > >*Coronaviridae* > >*Orthocoronavirinae* > >*Betacoronavirus* > >*Embecovirus* > >*Betacoronavirus 1

All the best,

Eduardo.



Offline [yavarian](#) 151.239.238.15 [over 2 years ago in reply to Eduardo Rodríguez-Román](#)

Hi Dear Eduardo,

Thanks a lot for your reply but I can not see the OC43 in *Betacoronavirus* proposal and taxonomy



Offline [yavarian](#) 151.239.238.15 [over 2 years ago in reply to yavarian](#)

Hi again dear Eduardo,

Offline [yavarian](#) 151.239.238.15 [over 2 years ago in reply to yavarian](#)



Hi Dear Eduardo,



Offline [yavarian](#) 151.239.238.15 [over 2 years ago in reply to yavarian](#)

Thanks so much. I got it, With best regards,



Online [admin](#) 138.26.21.102 [over 2 years ago](#)

Thank-you Jila for your question, and Eduardo for your spot-on answer. One available method to find the species of a particular virus is through the Virus Metadata Resource. (You can download the VMR spreadsheet from: <https://talk.ictvonline.org/taxonomy/vmr/>. The VMR provides information on virus isolate exemplars as well as other isolates that have been classified as members of a particular species. The virus, human coronavirus OC43, can be found under the virus name(s) column, and then you can see that it is classified under the species *Betacoronavirus 1*. The VMR is not a comprehensive listing of all virus isolates, but it is useful as a first place to check when trying to find the correct classification.

Elliot

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Offline [yavarian](#) 151.239.238.15 [over 2 years ago in reply to admin](#)

Hi Dear Prof.Elliot,

Thanks a lot for your help. I got it but why it is not written in the proposal for betacoronavirus 1?

With best regards,

Jila



Online [admin](#) 138.26.21.102 [over 2 years ago in reply to yavarian](#)

If you look at the history link for the species *Betacoronavirus*

1, https://talk.ictvonline.org//taxonomy/p/taxonomy-history?taxnode_id=201851861 you will find that the species *Human coronavirus OC43* was merged into the species *Betacoronavirus 1* in 2009. Pages 15, 18, and 36 of the proposal available from <https://talk.ictvonline.org/ictv/proposals/2008.085-122V.v4.Coronaviridae.pdf> detail this change.



Offline [yavarian](#) 151.239.236.165 *over 2 years ago* in reply to [admin](#)

Dear Professor,

Thanks so much for your prompt reply.

With best regards,

Jila

[Previewing Staged Changes](#)