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## 11<sup>th</sup> International Virology Summit

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## 7th World Congress on Control and Prevention of HIV/AIDS, STDs & STIs

July 01-02, 2019 Valencia, Spain

## Phylogenetic analyses of the RpRd & Vp1 overlap region C and RpRd region A of the detected Norovirus genomes in Baghdad province

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November 2015 and the most commonly recognized foodborne viral infection and second only to Rotavirus (RV) as a cause of severe diarrhea in children. The high burden of infection is because of their stability in the extreme environment condition, diversity of strains and low infectious dose ranging between 10-100 virus particles which are enough to infect individual. Nucleotide sequence and phylogenetic analysis of the junction of open reading frame one (ORF1) and the open reading frame two (ORF2) and fragments of 60/81 (74.07%) positive samples results found that the appearance of five genotypes: GGII.4, GGII.2, GGII.17, GGI, GGI.3 ACCESSION KU291998.1; KU292999.1; KU292001.1: ACCESSION KU292002.1; KU292003.1; KU292004.1; KU292005.1; KU744839.1. The NVGII.4 was the most dominant strain with frequency percentage 61.6% and the higher frequency percentage 50% was belongs to the recombinant. It has been suggested that recombination could be an important mechanism by which GII.4 remains persistent in human population.

Genotype	No of sides	Frequency
61.1/peleiu 1999	5	4.33
61.5/p17 Aspen2008	5	1.33
GII.2/WV2525/2011,GII.2/DH06023/2006	7	11.66
Git.4NewTeipei 2012/Git.2 2006 2011	3	5
GH.4Facytuan 2832	3	3
Git.4Eacyuan 2012/Bonaberi 2019	1	1.5
Git.4NewTalpei 2012/ Git.4DNK 2013	30	56
Gil.4NewTabel2012/ Gil.17 2011	3	5
Git.4NewTebel2012/ Git.4Ronaberl2009	1 .	5
Total	66	100%

#### **Recent Publications**

- 1. Chan M C and Chan P M (2013) Complete genome sequence of a novel recombinant human norovirus genogroup ii genotype 4 strain associated with an epidemic during summer of 2012 in Hong Kong. J. Genoma ASM. org., 1(1):140-142.
- 2. Puustinen L, Blazevic V, Huhti L, Szakal E D, Halkosalo A, Salminen M and Vesikari T (2012) Norovirus genotypes in endemic acute gastroenteritis of infants and children in Finland between 1994 and 2007. Epidemiol. Infect. 140(2):268-275.
- 3. Kele B, Lengyel G and Deák J (2011) Comparison of an ELISA and two RT-PCR methods for Norovirus detection. Diagnostic Microbiol. Infect. Dis. 70(4):475-478.
- 4. Bruggink L D and Marshall J A (2010) Molecular changes associated with altered patterns of Norovirus outbreak

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epidemics in Victoria, Australia, in 2006 to 2007. J. Clin. Microbiol. 48(3):857-861.

5. Menon V K, George S, Ramani S, liayaraja J, Sarkar R, Jana A K, Kuruvilla A K and Kang G (2010) Genogroup IIb norovirus infections and association with enteric symptoms in a neonatal nursery in Southern India. J. Clin. Microbiol., 48(9):3212-3215.

#### Biography

Khaled A Habeb has experience in teaching and supervision on both undergraduate and post graduate students. He has taught different subjects belonging to microbiology such as medical microbiology, clinical mycology, microbial toxins and microbial physiology. He has experience in evaluation and improving of probiotics application.

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