Supplementary material 6. Crude odds ratio evaluating the associations of feeding difficulties with the elimination diet characteristics and past clinical manifestations of food allergy (present before starting the elimination diet) in the group on a cow’ s milk elimination diet \*

(Numbers and percentages; crude odds ratios and 95% confidence intervals)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Picky eating | | | | | | |  | Avoidant eating | | | | | | |  | Feeding problems | | | | | | |
|  | Yes | | No | |  |  |  |  | Yes | | No | |  |  |  |  | Yes | | No | |  |  |  |
|  | n | % | N | % | ORcrude | 95% CI | *P* |  | n | % | n | % | ORcrude | 95% CI | *p* |  | n | % | n | % | ORcrude | 95% CI | *p* |
| Duration of the elimination diet >30 months | 50 | 54.0 | *92* | 48,9 | 1.23 | 0.61, 2.45 | *0.56* |  | 33 | 45.5 | 105 | 50.5 | 0.82 | 0.37, 1.79 | *0.62* |  | 44 | 52.3 | 93 | 48.4 | 1.17 | 0.57, 2.40 | *0.67* |
| More than one food eliminated from the diet | 50 | 70.0 | 92 | 60.9 | 1.50 | 0.72, 3.13 | *0.28* |  | 33 | **78.8** | 105 | **58.1** | **2.68** | **1.07, 6.72** | ***0.032*** |  | 44 | **84.1** | 93 | **54.8** | **4.35** | **1.76, 10.76** | ***<0.001*** |
| Age of symptoms onset < two months | 43 | 51.2 | 87 | 46.0 | 1.23 | 0.59, 2.56 | *0.58* |  | 30 | 43.3 | 96 | 49.0 | 0.80 | 0.35, 1.82 | *0.59* |  | 39 | 51.3 | 85 | 48.2 | 1.13 | 0.53, 2.41 | *0.75* |
| More than seven clinical manifestations | **50** | **66.0** | **92** | **47.8** | **2.12** | **1.04, 4.32** | ***0.038*** |  | 32 | **78.1** | 104 | **46.2** | **4.17** | **1.66, 10.48** | ***0.002*** |  | 43 | **72.1** | 92 | **45.7** | **3.08** | **1.41, 6.73** | ***0.004*** |
| Faltering growth | **50** | **78.0** | **92** | **44.6** | **4.41** | **2.01, 9.67** | ***<0.001*** |  | 32 | **78.1** | 104 | **49.0** | **3.71** | **1.48, 9.33** | ***0.004*** |  | 43 | **76.7** | 92 | **46.7** | **3.76** | **1.66, 8.52** | ***0.001*** |
| Food refusal / inappetence | **50** | **48.0** | **92** | **16.3** | **4.74** | **2.16, 10.37** | ***<0.001*** |  | 32 | **59.4** | 104 | **16.3** | **7.48** | **3.11, 17.97** | ***<0.001*** |  | 43 | **58.1** | 92 | **12.0** | **10.23** | **4.27, 24.51** | ***<0.001*** |
| Irritability | **50** | **64.0** | **92** | **44.6** | **2.21** | **1.09, 4.49** | ***0.027*** |  | 32 | 59.4 | 104 | 48.1 | 1.58) | 0.71, 3.52 | *0.26* |  | 43 | 55.8 | 92 | 47.8 | 1.38 | 0.67, 2.85 | *0.39* |
| Colic | 50 | 58.0 | 92 | 54.4 | 1.16 | 0.58, 2.33 | *0.68* |  | 32 | **65.6** | 104 | **51.9** | **1.77** | **0.77, 4.03** | ***0.17*** |  | 43 | 62.8 | 92 | 52.2 | 1.55 | 0.74, 3.25 | *0.25* |
| Nausea and/or vomiting | **50** | **58.0** | **92** | **32.6** | **2.85** | **1.40, 5.81** | ***0.003*** |  | 32 | **62.5** | 104 | **35.6** | **3.02** | **1.33, 6.86** | ***0.007*** |  | 43 | **55.8** | 92 | **32.6** | **2.61** | **1.24, 5.49** | ***0.010*** |

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Supplementary material 6 (continued)

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Picky eating | | | | | | |  | Avoidant eating | | | | | | |  | Feeding problems | | | | | | |
|  | Yes | | No | |  |  |  |  | Yes | | No | |  |  |  |  | Yes | | No | |  |  |  |
|  | n | % | n | % | ORcrude | 95% CI | *p* |  | n | % | n | % | ORcrude | 95% CI | *p* |  | n | % | n | % | ORcrude | 95% CI | *p* |
| Regurgitation | 50 | 52.0 | *92* | 43.5 | 1.41 | 0.71, 2.81 | *0.33* |  | 32 | **59.4** | 104 | **41.3** | **2.07** | **0.93, 4.64** | ***0.07*** |  | 43 | **60.5** | 92 | **40.2** | **2.27** | **1.08, 4.76** | ***0.028*** |
| Blood in stool | **50** | **40.0** | **92** | **29.3** | **1.60** | **0.78, 3.30** | ***0.198*** |  | 32 | **43.8** | 104 | **30.8** | **1.75** | **0.78, 3.95** | ***0.18*** |  | 43 | 37.2 | 92 | 34.8 | 1.11 | 0.52, 2.36 | *0.78* |
| Constipation | **50** | **38.0** | **92** | **19.6** | **2.52** | **1.17, 5.44** | ***0.017*** |  | 32 | 34.4 | 104 | 23.1 | 1.75 | 0.74, 4.13 | *0.201* |  | 43 | **32.6** | 92 | **21.7** | **1.74** | **0.77, 3.90** | ***0.18*** |
| Diarrhoea | 50 | 44.0 | 92 | 50.0 | 0.79 | 0.39, 1.57 | *0.49* |  | 32 | 50.0 | 104 | 49.0 | 1.04 | 0.47, 2.30 | *0.92* |  | 43 | 44.2 | 92 | 50.0 | 0.79 | 0.38, 1.64 | *0.53* |
| Night cough | **50** | **46.0** | **92** | **19.6** | **1.85** | **0.91, 3.76** | ***0.09*** |  | 32 | **56.3** | 104 | **29.8** | **3.03** | **1.34, 6.84** | ***0.006*** |  | 43 | **46.5** | 92 | **30.4** | **1.99** | **0.94, 4.19** | ***0.07*** |
| Wheezing | 50 | 42% | 92 | 41.3 | 1.03 | 0.51, 2.7 | *0.94* |  | 32 | 43.8 | 104 | 40.4 | 1.15 | 0.52, 2.56 | *0.74* |  | 43 | 39.5 | 92 | 43.5 | 0.85 | 0.41, 1.78 | *0.67* |
| Rhinitis | 50 | 54.0 | 92 | 63.0 | 0.69 | 0.34, 1.38 | *0.29* |  | 32 | 62.5 | 104 | 56.7 | 1.27 | 0.56, 2.87 | *0.56* |  | 43 | 62.8 | 92 | 57.6 | 1.24 | 0.59, 2.61 | *0.57* |
| Oedema in the lips, tongue / eyes | 50 | 30.0 | 92 | 29.4 | 1.03 | 0.49, 2.19 | *0.94* |  | 32 | 37.5 | 104 | 27.9 | 1.55 | 0.67, 3.57 | *0.30* |  | 43 | 34.9 | 92 | 27.2 | 1.44 | 0.66, 3.12 | *0.36* |
| Urticaria | 50 | 40.0 | 92 | 51.1 | 0.64 | 0.32, 1.28 | *0.21* |  | 32 | **34.4** | 104 | **51.0** | **0.50** | **0.22, 1.15** | ***0.10*** |  | 43 | 39.5 | 92 | 51.1 | 0.63 | 0.30, 1.31 | *0.21* |
| Eczema/atopic dermatitis | **50** | **44.0** | **92** | **56.5** | **0.60** | **0.30, 1.21** | ***0.15*** |  | 32 | 53.1 | 104 | 51.9 | 1.05 | 0.47, 2.32 | *0.91* |  | 43 | 51.2 | 92 | 53.3 | 0.92 | 0.45, 1.90 | *0.82* |
| Anaphylaxis | 50 | 10.0 | 92 | 12.0 | 0.81 | 0.27, 2.50 | *0.73* |  | 32 | 12.5 | 104 | 9.6 | 1.34 | 0.39, 4.61 | *0.74* |  | 43 | 9.3 | 92 | 10.9 | 0.84 | 0.25, 2.85 | *1,00* |

ORcrude, crude odds ratio; 95% CI, 95% confidence interval

\*Pearson's chi-square test or Fisher’s exact test. Variables highlighted in bold presented a p value < 0.20, and so were included in multivariate analyses (Table 4).