

## Supplementary Material: Dietary Inflammatory Index and Its Relationship with Cervical Carcinogenesis Risk in Korean Women: A Case-Control Study

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**Table S1.** Odds ratios (ORs) of CINs and cervical cancer for quintiles of 24 anti-inflammatory food and nutrient parameters.

DII Component	Anti-Inflammatory Food and Nutrient Parameters					<i>p</i> for Trends <sup>a</sup>	
	Q1	Q2	Q3	Q4	Q5		
n3 fatty acids	CIN1	ref	1.11 (0.73–1.67)	0.87 (0.57–1.33)	0.74 (0.48–1.15)	0.70 (0.45–1.09)	0.02
	CIN2/3	ref	0.95 (0.58–1.55)	1.27 (0.8–2.020)	0.75 (0.45–1.27)	0.77 (0.46–1.29)	0.23
	CC	ref	0.91 (0.56–1.47)	0.98 (0.61–1.58)	0.85 (0.52–1.41)	0.91 (0.55–1.50)	0.63
n6 fatty acids	CIN1	ref	1.06 (0.69–1.64)	1.12 (0.73–1.73)	0.83 (0.53–1.30)	0.63 (0.39–1.01)	0.03
	CIN2/3	ref	1.37 (0.86–2.18)	1.03 (0.63–1.68)	0.59 (0.34–1.02)	0.66 (0.38–1.15)	0.01
	CC	ref	1.16 (0.74–1.83)	0.97 (0.60–1.57)	0.79 (0.47–1.33)	0.74 (0.43–1.27)	0.10
MUFA	CIN1	ref	0.86 (0.55–1.36)	1.19 (0.77–1.85)	0.88 (0.56–1.38)	0.66 (0.41–1.07)	0.13
	CIN2/3	ref	1.09 (0.66–1.80)	1.15 (0.69–1.91)	1.07 (0.64–1.79)	0.74 (0.42–1.30)	0.33
	CC	ref	1.06 (0.68–1.67)	0.93 (0.57–1.52)	0.98 (0.59–1.65)	0.65 (0.36–1.15)	0.16
Vitamin A	CIN1	ref	0.95 (0.61–1.48)	1.12 (0.73–1.73)	0.87 (0.55–1.38)	1.39 (0.91–2.13)	0.19
	CIN2/3	ref	0.83 (0.54–1.29)	0.65 (0.40–1.03)	0.36 (0.21–0.63)	0.40 (0.23–0.67)	<.0001
	CC	ref	0.75 (0.48–1.18)	0.42 (0.26–0.69)	0.30 (0.17–0.52)	0.65 (0.40–1.03)	0.001
Carotene	CIN1	ref	1.01 (0.65–1.56)	1.03 (0.66–1.59)	0.98 (0.63–1.53)	1.41 (0.92–2.15)	0.16
	CIN2/3	ref	0.76 (0.49–1.18)	0.64 (0.40–1.01)	0.35 (0.20–0.61)	0.41 (0.24–0.69)	<.0001
	CC	ref	0.96 (0.62–1.50)	0.41 (0.25–0.69)	0.35 (0.20–0.61)	0.66 (0.41–1.06)	0.001
Vitamin B1	CIN1	ref	1.74 (1.10–2.74)	1.40 (0.87–2.24)	1.36 (0.85–2.19)	1.74 (1.09–2.77)	0.14
	CIN2/3	ref	0.87 (0.54–1.40)	1.00 (0.63–1.59)	0.66 (0.40–1.10)	0.46 (0.26–0.81)	0.01
	CC	ref	0.66 (0.42–1.06)	0.71 (0.44–1.13)	0.52 (0.31–0.88)	0.65 (0.39–1.07)	0.03
Vitamin B2	CIN1	ref	1.33 (0.84–2.08)	1.28 (0.81–2.02)	1.32 (0.84–2.08)	1.12 (0.71–1.79)	0.76
	CIN2/3	ref	0.94 (0.59–1.51)	0.93 (0.58–1.51)	0.76 (0.46–1.26)	0.49 (0.28–0.85)	0.01
	CC	ref	0.69 (0.43–1.11)	0.90 (0.56–1.46)	0.85 (0.51–1.41)	0.78 (0.47–1.30)	0.51
Niacin							

Vitamin B6	CIN1	ref	0.83 (0.53–1.29)	1.19 (0.78–1.81)	0.79 (0.51–1.25)	0.98 (0.63–1.54)	0.89
	CIN2/3	ref	1.11 (0.68–1.83)	1.44 (0.89–2.34)	1.18 (0.71–1.97)	0.65 (0.36–1.18)	0.37
	CC	ref	1.03 (0.64–1.67)	1.39 (0.87–2.22)	1.00 (0.6–1.67)	0.77 (0.45–1.33)	0.48
PUFA	CIN1	ref	1.1 (0.73–1.68)	0.89 (0.58–1.38)	1.05 (0.68–1.61)	0.82 (0.52–1.29)	0.38
	CIN2/3	ref	0.94 (0.6–1.48)	1.02 (0.64–1.62)	0.59 (0.35–1)	0.55 (0.32–0.95)	0.01
	CC	ref	0.72 (0.45–1.16)	0.89 (0.55–1.44)	0.76 (0.47–1.26)	0.74 (0.44–1.23)	0.29
Folic acid	CIN1	ref	0.92 (0.60–1.42)	0.99 (0.65–1.53)	0.81 (0.52–1.27)	0.47 (0.29–0.77)	0.01
	CIN2/3	ref	1.14 (0.70–1.84)	1.05 (0.64–1.72)	0.82 (0.49–1.38)	0.68 (0.39–1.20)	0.08
	CC	ref	1.17 (0.74–1.86)	1.14 (0.70–1.84)	1.08 (0.65–1.80)	0.64 (0.36–1.15)	0.21
Vitamin C	CIN1	ref	1.14 (0.75–1.76)	1.19 (0.78–1.82)	1.19 (0.78–1.81)	0.75 (0.47–1.18)	0.37
	CIN2/3	ref	0.88 (0.55–1.42)	0.80 (0.49–1.31)	0.71 (0.43–1.17)	0.87 (0.54–1.42)	0.36
	CC	ref	0.62 (0.38–1.01)	0.74 (0.45–1.22)	0.79 (0.48–1.29)	1.05 (0.65–1.69)	0.70
Vitamin D	CIN1	ref	0.88 (0.57–1.36)	0.95 (0.62–1.46)	0.86 (0.55–1.34)	1.29 (0.85–1.95)	0.29
	CIN2/3	ref	1.15 (0.75–1.76)	0.57 (0.35–0.94)	0.49 (0.29–0.83)	0.35 (0.20–0.62)	<.0001
	CC	ref	0.96 (0.62–1.49)	0.47 (0.28–0.78)	0.31 (0.18–0.55)	0.57 (0.35–0.92)	<.0001
Vitamin E	CIN1	ref	1.39 (0.85–2.26)	1.69 (1.05–2.71)	1.68 (1.04–2.71)	1.65 (1.02–2.66)	0.04
	CIN2/3	ref	1.81 (1.08–3.03)	1.24 (0.72–2.12)	1.62 (0.95–2.74)	0.91 (0.51–1.63)	0.57
	CC	ref	0.96 (0.6–1.52)	0.69 (0.41–1.14)	0.81 (0.49–1.34)	0.76 (0.46–1.27)	0.17
Fiber	CIN1	ref	1.13 (0.72–1.76)	1.2 (0.77–1.87)	1.33 (0.86–2.07)	0.86 (0.54–1.39)	0.87
	CIN2/3	ref	0.99 (0.62–1.58)	0.98 (0.61–1.57)	0.57 (0.33–0.97)	0.64 (0.37–1.09)	0.01
	CC	ref	0.75 (0.47–1.21)	1.21 (0.76–1.93)	0.97 (0.59–1.6)	0.57 (0.32–1.01)	0.23
Magnesium	CIN1	ref	0.81 (0.52–1.24)	0.99 (0.65–1.50)	0.83 (0.53–1.29)	1.21 (0.79–1.85)	0.42
	CIN2/3	ref	0.94 (0.61–1.45)	0.69 (0.44–1.10)	0.36 (0.20–0.63)	0.40 (0.23–0.69)	<.0001
	CC	ref	0.97 (0.61–1.56)	0.68 (0.42–1.12)	0.42 (0.24–0.72)	0.62 (0.37–1.02)	0.003
Selenium	CIN1	ref	0.82 (0.54–1.23)	0.80 (0.53–1.20)	0.64 (0.41–0.98)	0.61 (0.39–0.95)	0.013
	CIN2/3	ref	1.02 (0.65–1.59)	0.64 (0.39–1.05)	0.66 (0.4–1.10)	0.57 (0.34–0.98)	0.01
	CC	ref	1.11 (0.68–1.81)	0.74 (0.44–1.25)	0.79 (0.47–1.34)	1.14 (0.69–1.88)	0.88
Zinc	CIN1	ref	1.06 (0.7–1.60)	0.98 (0.64–1.51)	1.09 (0.70–1.70)	1.01 (0.64–1.61)	0.93
	CIN2/3	ref	1.20 (0.72–1.99)	0.89 (0.51–1.53)	1.59 (0.95–2.65)	1.20 (0.70–2.05)	0.30
	CC	ref	1.39 (0.74–2.6)	1.76 (0.96–3.23)	1.99 (1.11–3.58)	1.56 (0.85–2.85)	0.11

Garlic	CIN1	ref	1.00 (0.66–1.50)	1.02 (0.68–1.54)	1.02 (0.67–1.56)	0.54 (0.34–0.87)	0.05
	CIN2/3	ref	1.05 (0.64–1.70)	0.91 (0.55–1.50)	1.11 (0.67–1.82)	0.91 (0.55–1.52)	0.82
	CC	ref	0.84 (0.49–1.44)	0.91 (0.53–1.54)	1.17 (0.71–1.95)	1.29 (0.78–2.14)	0.12
Ginger	CIN1	ref	1.10 (0.70–1.72)	1.41 (0.90–2.19)	1.15 (0.73–1.80)	1.48 (0.95–2.31)	0.10
	CIN2/3	ref	0.97 (0.61–1.53)	0.72 (0.44–1.19)	0.83 (0.52–1.34)	0.51 (0.30–0.88)	0.02
	CC	ref	1.05 (0.66–1.68)	0.74 (0.45–1.22)	0.58 (0.34–0.98)	0.95 (0.59–1.55)	0.24
Onion	CIN1	ref	1.17 (0.74–1.86)	1.61 (1.04–2.50)	0.98 (0.61–1.57)	1.72 (1.11–2.67)	0.06
	CIN2/3	ref	1.13 (0.72–1.76)	0.89 (0.55–1.42)	0.46 (0.27–0.79)	0.53 (0.31–0.91)	0.001
	CC	ref	1.08 (0.69–1.70)	0.52 (0.31–0.88)	0.34 (0.19–0.61)	0.88 (0.55–1.41)	0.03
Pepper	CIN1	ref	1.77 (1.08–2.91)	2.07 (1.26–3.39)	1.46 (0.87–2.45)	1.83 (1.1–3.05)	0.15
	CIN2/3	ref	1.48 (0.88–2.47)	1.12 (0.65–1.94)	1.33 (0.77–2.30)	1.26 (0.72–2.2)	0.64
	CC	ref	0.90 (0.56–1.45)	1.12 (0.69–1.83)	1.39 (0.84–2.30)	0.98 (0.56–1.71)	0.54
Tea	CIN1	ref	1.30 (0.85–1.97)	0.96 (0.62–1.49)	1.07 (0.69–1.66)	1.05 (0.68–1.64)	0.82
	CIN2/3	ref	1.22 (0.80–1.88)	0.52 (0.31–0.87)	0.51 (0.30–0.87)	0.50 (0.29–0.86)	<.0001
	CC	ref	0.84 (0.53–1.34)	0.79 (0.49–1.27)	0.54 (0.32–0.92)	0.53 (0.31–0.89)	0.004
Turmeric	CIN1	ref	0.86 (0.48–1.56)	1.38 (0.95–2.00)	1.10 (0.74–1.63)	0.78 (0.51–1.18)	0.55
	CIN2/3	ref	0.70 (0.34–1.48)	1.18 (0.75–1.87)	1.12 (0.69–1.80)	1.66 (1.08–2.56)	0.02
	CC	ref	0.71 (0.35–1.45)	0.95 (0.60–1.50)	1.15 (0.72–1.83)	1.33 (0.85–2.06)	0.18
	CIN1	ref	1.49 (0.92–2.43)	1.22 (0.73–2.02)	1.62 (0.99–2.64)	2.17 (1.34–3.51)	0.002
	CIN2/3	ref	1.55 (0.93–2.60)	1.04 (0.59–1.81)	1.12 (0.64–1.94)	1.58 (0.92–2.70)	0.37
	CC	ref	1.02 (0.65–1.60)	0.84 (0.52–1.37)	0.65 (0.38–1.11)	0.96 (0.56–1.63)	0.33

All DII components were adjusted to energy density (DII component/energy). <sup>a</sup> Full-adjusted model: adjusted for age (continuous), marriage (single, married, divorced), education level (middle school, high school, college), drinking (yes, no), pregnancy (yes, no), oral contraceptive use (yes, no), menopausal status (pre or peri menopause, post menopause) and BMI (continuous).

