

## Voice Handicap Index and Voice-Related Quality of Life in Idiopathic Parkinson's Disease

Gyung Yu, Insoo Jang, Lakhyung Kim

J of Oriental Neuropsychiatry 2013;24(2):155-162, <http://dx.doi.org/10.7231/jon.2013.24.2.155>

Added the abbreviation explanation of the “M±S,D”

Table 1. General Characteristics and UPDRS, VHI-10, VRQOL Scores

	M±S,D
Age	62.65±7.54
Med-Duration	7.60±5.19
UPDRS I	3.59±2.48
UPDRS II	16.00±6.99
UPDRS III	21.59±9.12
VHI-10	14.35±8.07
VRQOL-S	59.93±20.50
VRQOL-P	58.58±21.77
VRQOL-T	59.12±20.25

Med-duration: years after medication, UPDRS: Unified Parkinson's Disease Rating Scale, VHI-10: Voice Handicap Index-10, VRQOL-S: Voice-Related Quality of Life social-emotional, P: physical functioning, T: total score.

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M±S,D: Mean±Standard Deviation, Med-duration: years after medication, UPDRS: Unified Parkinson's Disease Rating Scale, VHI-10: Voice Handicap Index-10, VRQOL-S: Voice-Related Quality of Life social-emotional, P: physical functioning, T: total score.

## The Differences of Learning Characteristics in Sasang Constitution

Woo-Chang Choi, Woo-Kyoung Kim, Jeong-Mo Song, Lak-Hyung Kim

J of Oriental Neuropsychiatry 2013;24(2):163-178, <http://dx.doi.org/10.7231/jon.2013.24.2.163>

The word "N" in the legend of Table 1 should have been written as "Number"

Table 1. General Characteristics of Participants

	Soyangin	Taeumin	Soeumin	Total	p-value
N	43 (34,40)	45 (36,00)	37 (29,60)	125 (100,0)	
Age (years)	24,86±3,649*	24,76±4,307	24,92±4,078	24,84±3,991	0,983 <sup>†</sup>
Gender (M/F)	16/27	26/19	16/21	58/67	0,137 <sup>‡</sup>

Values are number (%).

\*Values are mean±standard deviation, <sup>†</sup>One way ANOVA, <sup>‡</sup>Pearson chi-square test.

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Values are number (%).

\*Values are mean±standard deviation, <sup>†</sup>One way ANOVA, <sup>‡</sup>Pearson chi-square test.

Added the abbreviation explanation of the “ASEF”, “AFTT”

Table 3. Subscales Results of Academic Motivation Tests for each Sasang Constitutional Type

		Soyangin	Taeumin	Soeumin	Total	p-value*
ASET	SEC	3.80±0.54	3.64±0.75	3.63±0.61	3.69±0.64	0.394
	SER	3.99±0.51	3.91±0.58	3.77±0.50	3.89±0.54	0.184
	SET	3.43±0.62	3.50±0.56	3.39±0.45	3.44±0.55	0.671
AFTT	FTF	3.58±1.05△	2.94±0.96▽	3.09±1.08	3.20±1.06	0.011
	FTB	3.98±0.84	3.96±0.64	3.91±0.62	3.95±0.70	0.924
	FIT	3.53±0.45	3.62±0.54	3.40±0.42	3.52±0.48	0.121

Values are mean±standard deviation.

SEC: Self-confidence scale, SER: Self-regulatory efficacy scale, SET: Task difficulty preference scale, FTF: Feeling scale, FTB: Behavior scale, FIT: Preferred task difficulty scale, The score of △ group is significantly higher than that of ▽ group.

\*p<0.05 (By One way ANOVA test).

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Values are mean±standard deviation.

ASEF: Academic Self-efficacy test, AFTT: Academic failure tolerance test, SEC: Self-confidence scale, SER: Self-regulatory efficacy scale, SET: Task difficulty preference scale, FTF: Feeling scale, FTB: Behavior scale, FIT: Preferred task difficulty scale, The score of △ group is significantly higher than that of ▽ group.

\*p<0.05 (By One way ANOVA test).

## A Preliminary Comparison of the Efficacy of Auricular Acupuncture, Transdermal Nicotine Patch and Combination Therapy for Smoking Cessation

Hee-Chul Kang

J of Oriental Neuropsychiatry 2013;24(2):179-188, <http://dx.doi.org/10.7231/jon.2013.24.2.179>

The word “N” in the legend of Table 1 should have been written as “n”  
“a” Description has been added.

Table 1. General Characteristics of Study Subjects

	AA group (N=62) (Mean±S.D.)	NP group (N=69) (Mean±S.D.)	AN group (N=57) (Mean±S.D.)	p-value
Age (years)	39.53±8.44 <sup>a</sup>	37.39±7.57 <sup>a</sup>	38.57±9.50 <sup>a</sup>	0.35
Height (cm)	173.37±7.91 <sup>a</sup>	172.80±5.30 <sup>a</sup>	171.98±4.38 <sup>a</sup>	0.46
Weight (kg)	73.63±8.58 <sup>a</sup>	69.33±6.58 <sup>a</sup>	67.21±6.71 <sup>a</sup>	0.27
Duration of smoking (years)	17.17±8.00 <sup>a</sup>	16.02±6.73 <sup>a</sup>	16.68±8.98 <sup>a</sup>	0.70

The same superscripts indicate non-significant difference between groups based on Scheffe test.

AA: Auricular Acupuncture, NP: Nicotine Patch, AN: Combination with Auricular Acupuncture and Nicotine Patch, S.D.: Standard deviation, p-value by one way-ANOVA.

\*p<0.05.

Table 1. General Characteristics of Study Subjects

	AA group (n=62) (Mean±S.D.)	NP group (n=69) (Mean±S.D.)	AN group (n=57) (Mean±S.D.)	p-value
Age (years)	39.53±8.44 <sup>a</sup>	37.39±7.57 <sup>a</sup>	38.57±9.50 <sup>a</sup>	0.35
Height (cm)	173.37±7.91 <sup>a</sup>	172.80±5.30 <sup>a</sup>	171.98±4.38 <sup>a</sup>	0.46
Weight (kg)	73.63±8.58 <sup>a</sup>	69.33±6.58 <sup>a</sup>	67.21±6.71 <sup>a</sup>	0.27
Duration of smoking (years)	17.17±8.00 <sup>a</sup>	16.02±6.73 <sup>a</sup>	16.68±8.98 <sup>a</sup>	0.70

<sup>a</sup>The same superscripts indicate non-significant difference between groups based on Scheffe test.

AA: Auricular Acupuncture, NP: Nicotine Patch, AN: Combination with Auricular Acupuncture and Nicotine Patch, S.D.: Standard deviation, p-value by one way-ANOVA.

\*p<0.05.

The word “N” in the legend of Table 1 should have been written as “n”  
“a” Description has been added.

Table 2. Nicotine Dependence and Amounts of Daily Smoking in First Examination

	AA group (N=62) (Mean±S.D.)	NP group (N=69) (Mean±S.D.)	AN group (N=57) (Mean±S.D.)	p-value
Nicotine dependence	5,67±2,09 <sup>a</sup>	5,26±1,72 <sup>a</sup>	5,39±1,76 <sup>a</sup>	0,43
Amounts of daily smoking (pieces)	12,95±6,61 <sup>a</sup>	12,30±6,30 <sup>a</sup>	12,67±6,20 <sup>a</sup>	0,84

The same superscripts indicate non-significant difference between groups based on Scheffe test.

AA: Auricular Acupuncture, NP: Nicotine Patch, AN: Combination with Auricular Acupuncture and Nicotine Patch, S.D.: Standard deviation, p-value by one way-ANOVA.

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Nicotine dependence	5,67±2,09 <sup>a</sup>	5,26±1,72 <sup>a</sup>	5,39±1,76 <sup>a</sup>	0,43
Amounts of daily smoking (pieces)	12,95±6,61 <sup>a</sup>	12,30±6,30 <sup>a</sup>	12,67±6,20 <sup>a</sup>	0,84

<sup>a</sup>The same superscripts indicate non-significant difference between groups based on Scheffe test.

AA: Auricular Acupuncture, NP: Nicotine Patch, AN: Combination with Auricular Acupuncture and Nicotine Patch, S.D.: Standard deviation, p-value by one way-ANOVA.

\*p<0,05.

The word “N” in the legend of Table 1 should have been written as “n”

Table 3. Comparisons of Nicotine Dependence before and after Treatment

	Before treatment	After treatment	p-value
AA group (N=62) (Mean±S.D.)	5,67±2,09	3,58±2,06	<0,01 <sup>†</sup>
NP group (N=69) (Mean±S.D.)	5,26±1,72	3,17±1,75	<0,01 <sup>†</sup>
AN group (N=57) (Mean±S.D.)	5,39±1,76	2,73±1,79	<0,01 <sup>†</sup>

AA: Auricular Acupuncture, NP: Nicotine Patch, AN: Combination with Auricular Acupuncture and Nicotine Patch, S.D.: Standard deviation, p-value by paired-T test.

\*p<0,05, <sup>†</sup>p<0,01.

Table 3. Comparisons of Nicotine Dependence before and after Treatment

	Before treatment	After treatment	p-value
AA group (n=62) (Mean±S.D.)	5,67±2,09	3,58±2,06	<0,01 <sup>†</sup>
NP group (n=69) (Mean±S.D.)	5,26±1,72	3,17±1,75	<0,01 <sup>†</sup>
AN group (n=57) (Mean±S.D.)	5,39±1,76	2,73±1,79	<0,01 <sup>†</sup>

AA: Auricular Acupuncture, NP: Nicotine Patch, AN: Combination with Auricular Acupuncture and Nicotine Patch, S.D.: Standard deviation, p-value by paired-T test.

\*p<0,05, <sup>†</sup>p<0,01.

The word “N” in the legend of Table 1 should have been written as “n”

Table 4. Comparisons of Amounts of Daily Smoking before and after Treatment

	Pre-treatment	Post-treatment	p-value
AA group (N=62) (Mean±S.D.)	12.95±6.61	7.65±5.20	<0.01 <sup>†</sup>
NP group (N=69) (Mean±S.D.)	12.30±6.30	6.49±4.54	<0.01 <sup>†</sup>
AN group (N=57) (Mean±S.D.)	12.67±6.20	6.26±4.47	<0.01 <sup>†</sup>

AA: Auricular Acupuncture, NP: Nicotine Patch, AN: Combination with Auricular Acupuncture and Nicotine Patch, S.D.: Standard deviation, p-value by paired-T test.

\*p<0.05 †p<0.01.

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AA group (n=62) (Mean±S.D.)	12.95±6.61	7.65±5.20	<0.01 <sup>†</sup>
NP group (n=69) (Mean±S.D.)	12.30±6.30	6.49±4.54	<0.01 <sup>†</sup>
AN group (n=57) (Mean±S.D.)	12.67±6.20	6.26±4.47	<0.01 <sup>†</sup>

AA: Auricular Acupuncture, NP: Nicotine Patch, AN: Combination with Auricular Acupuncture and Nicotine Patch, S.D.: Standard deviation, p-value by paired-T test.

\*p<0.05, †p<0.01.

The word “N” in the legend of Table 1 should have been written as “n”

“a”, “b” Description has been added.

Table 5. Decrements of Nicotine Dependence and Amounts of Daily Smoking

Decrements	AA group (N=62) (Mean±S.D.)	NP group (N=69) (Mean±S.D.)	AN group (N=57) (Mean±S.D.)	p-value
Nicotine dependence	2.10±1.17 <sup>a</sup>	2.09±1.16 <sup>a</sup>	2.65±1.29 <sup>b</sup>	0.02*
Amounts of daily smoking (pieces)	5.39±4.01 <sup>a</sup>	5.81±4.16 <sup>a</sup>	6.40±4.90 <sup>a</sup>	0.44

The same superscripts indicate non-significant difference between groups based on Scheffé test.

AA: Auricular Acupuncture, NP: Nicotine Patch, AN: Combination with Auricular Acupuncture and Nicotine Patch, S.D.: Standard deviation, p-value by one way-ANOVA.

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Nicotine dependence	2.10±1.17 <sup>a</sup>	2.09±1.16 <sup>a</sup>	2.65±1.29 <sup>b</sup>	0.02*
Amounts of daily smoking (pieces)	5.39±4.01 <sup>a</sup>	5.81±4.16 <sup>a</sup>	6.40±4.90 <sup>a</sup>	0.44

<sup>a</sup>The same superscripts indicate non-significant difference between groups based on Scheffé test. <sup>b</sup>The different superscripts indicate significant difference between groups based on Scheffé test.

AA: Auricular Acupuncture, NP: Nicotine Patch, AN: Combination with Auricular Acupuncture and Nicotine Patch, S.D.: Standard deviation, p-value by one way-ANOVA.

\*p<0.05.

# The Effects of OnDam-tang-Kami-bang (ODK) in Antioxidant and Serotonin Metabolism Testing on P815 Cell

Seon-Hui Seol, Sang Ryong Lee, In Chul Jung

J of Oriental Neuropsychiatry 2013;24(2):189-200, <http://dx.doi.org/10.7231/jon.2013.24.2.189>

Added the abbreviation explanation of the “DPPH”

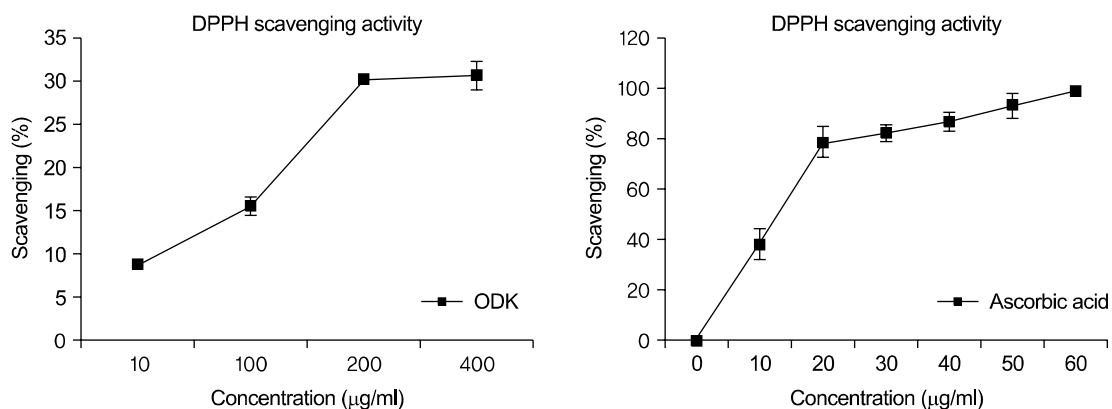


Fig. 2. Effect of OnDam-tang-Kami-bang (ODK) and ascorbic acid on DPPH radical-scavenging activity. DPPH scavenging activity was measured as described in Material and Methods. Data are expressed as % of scavenging and each column represents the mean±SD (n>3).

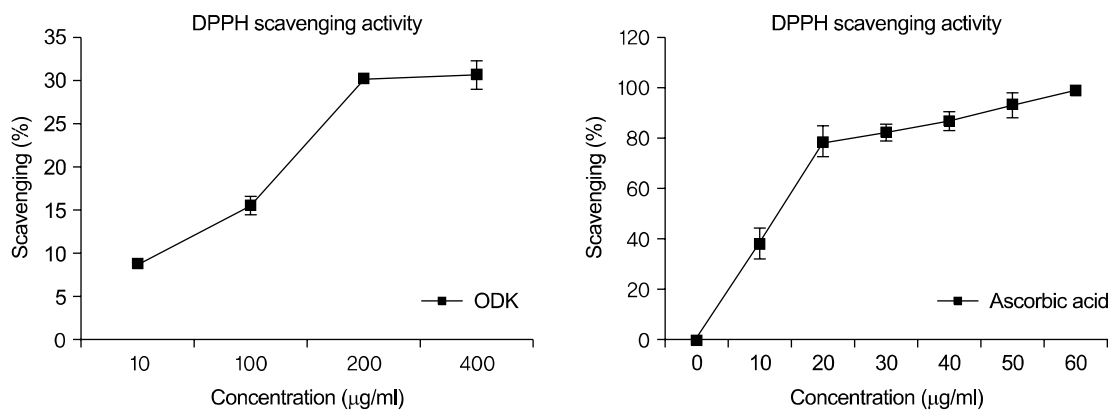


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DPPH: 2,2-Diphenyl-1-picrylhydrazyl.

Added the abbreviation explanation of the “DPPH”

Table 3. Effect of OnDam–tang–Kami–bang (ODK) on DPPH Radical-scavenging Activity

Sample	Concentraion	Scavenging effect (%)
Ascorbic acid	60 $\mu$ g/ml	99.3 $\pm$ 1.15
	50 $\mu$ g/ml	93.7 $\pm$ 4.93
	40 $\mu$ g/ml	87.0 $\pm$ 4.00
	30 $\mu$ g/ml	82.7 $\pm$ 3.51
	20 $\mu$ g/ml	79.0 $\pm$ 6.08
	10 $\mu$ g/ml	38.0 $\pm$ 6.08
ODK	400 $\mu$ g/ml	30.8 $\pm$ 1.65
	200 $\mu$ g/ml	30.4 $\pm$ 0.88
	100 $\mu$ g/ml	15.6 $\pm$ 1.04
	10 $\mu$ g/ml	8.7 $\pm$ 0.52

Table 3. Effect of OnDam–tang–Kami–bang (ODK) on DPPH Radical-scavenging Activity

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	30 $\mu$ g/ml	82.7 $\pm$ 3.51
	20 $\mu$ g/ml	79.0 $\pm$ 6.08
	10 $\mu$ g/ml	38.0 $\pm$ 6.08
ODK	400 $\mu$ g/ml	30.8 $\pm$ 1.65
	200 $\mu$ g/ml	30.4 $\pm$ 0.88
	100 $\mu$ g/ml	15.6 $\pm$ 1.04
	10 $\mu$ g/ml	8.7 $\pm$ 0.52

DPPH: 2,2-Diphenyl-1-picrylhydrazyl.

Added the abbreviation explanation of the “SOD”

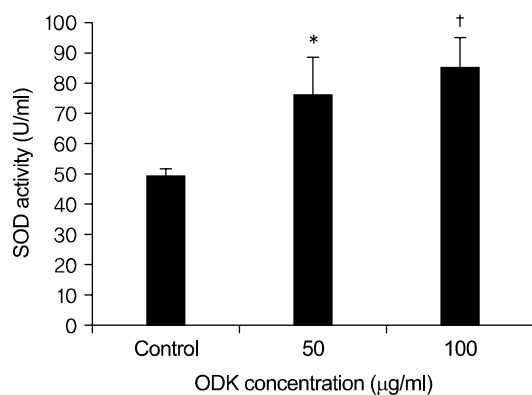


Fig. 3. Effect of OnDam–tang–Kami–bang (ODK) on the SOD activity. The effect on SOD was tested with ODK, data are expressed as % of control and each column represents the mean $\pm$ SD of two determination, Statistically significant value compared with control by T test (\* $p$ <0.05, † $p$ <0.01).

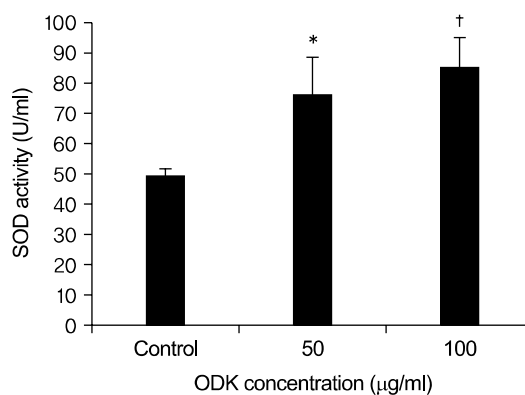


Fig. 3. Effect of OnDam–tang–Kami–bang (ODK) on the SOD activity. The effect on SOD was tested with ODK, data are expressed as % of control and each column represents the mean $\pm$ SD of two determination, Statistically significant value compared with control by T test (\* $p$ <0.05, † $p$ <0.01). SOD: Superoxide dismutase.



Added the abbreviation explanation of the “HTT”

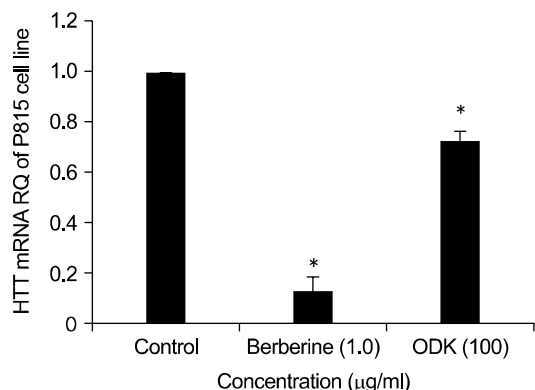


Fig. 5. Effect of OnDam–tang–Kami–bang (ODK) on 5-HTT mRNA in P815 cells. The expression levels of 5-HTT mRNA and beta-actin were analyzed by real-time RT–PCR. The 5-HTT mRNA expression was normalized to beta-actin mRNA expression in the corresponding sample. Values are means±SEM (\*p<0.001).

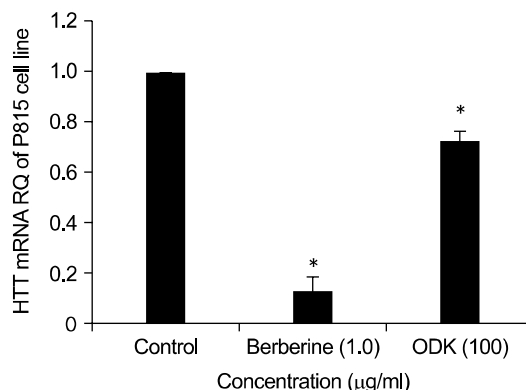


Fig. 5. Effect of OnDam–tang–Kami–bang (ODK) on 5-HTT mRNA in P815 cells. The expression levels of 5-HTT mRNA and beta-actin were analyzed by real-time RT–PCR. The 5-HTT mRNA expression was normalized to beta-actin mRNA expression in the corresponding sample. Values are means±SEM (\*p<0.001).

HTT: hydroxytryptamine transporte.

Added the abbreviation explanation of the “5-HTT”

Table 5. Effect of OnDam–tang–Kami–bang (ODK) on 5-HTT mRNA in P815 Cells

Compounds	mRNA expression (% of control)
Control	0.996±0.005 (100)
Berberine (3 µM)	0.129±0.056 (13.0)*
ODK (100 µg/ml)	0.722±0.036 (72.4)*

\*p<0.001.

Table 5. Effect of OnDam–tang–Kami–bang (ODK) on 5-HTT mRNA in P815 Cells

Compounds	mRNA expression (% of control)
Control	0.996±0.005 (100)
Berberine (3 µM)	0.129±0.056 (13.0)*
ODK (100 µg/ml)	0.722±0.036 (72.4)*

\*p<0.001.

5-HTT: 5-hydroxytryptamine transporte.

Added the abbreviation explanation of the “TPH-1”

Table 6. Effect of OnDam–tang–Kami–bang (ODK) on TPH-1 mRNA in P815 Cells

Compounds	mRNA expression (% of control)
Control	0.996±0.005 (100)
Berberine (3 μM)	0.159±0.050 (16.0) <sup>†</sup>
ODK (100 μg/ml)	0.766±0.067 (76.9)*

\*p<0.01, <sup>†</sup>p<0.001.

Table 6. Effect of OnDam–tang–Kami–bang (ODK) on TPH-1 mRNA in P815 Cells

Compounds	mRNA expression (% of control)
Control	0.996±0.005 (100)
Berberine (3 μM)	0.159±0.050 (16.0) <sup>†</sup>
ODK (100 μg/ml)	0.766±0.067 (76.9)*

\*p<0.01, <sup>†</sup>p<0.001.

TPH-1: Tryptophan hydroxylase-1.

Added the abbreviation explanation of the “TPH-1”, “RT-PCR”, “SEM”

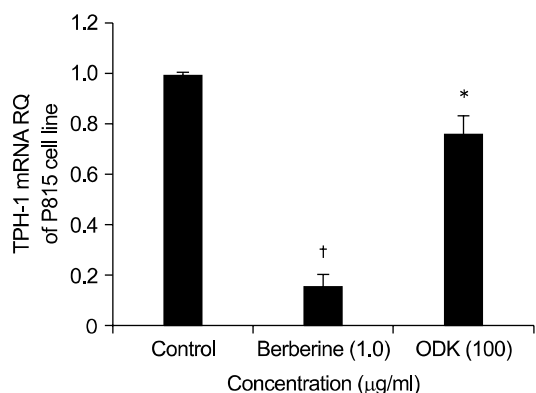


Fig. 6. Effect of OnDam–tang–Kami–bang (ODK) on TPH-1 mRNA in P815 cells. The expression levels of TPH-1 mRNA and beta-actin were analyzed by real-time RT-PCR. The TPH-1 mRNA expression was normalized to beta-actin mRNA expression in the corresponding sample. Values are means±SEM (\*p<0.01, <sup>†</sup>p<0.001).

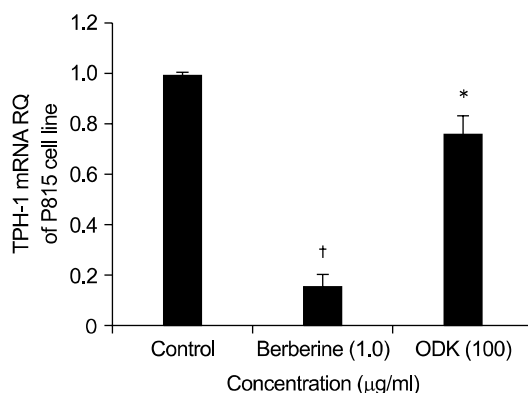


Fig. 6. Effect of OnDam–tang–Kami–bang (ODK) on TPH-1 mRNA in P815 cells. The expression levels of TPH-1 mRNA and beta-actin were analyzed by real-time RT-PCR. The TPH-1 mRNA expression was normalized to beta-actin mRNA expression in the corresponding sample. Values are means±SEM (\*p<0.01, <sup>†</sup>p<0.001).

TPH-1: Tryptophan hydroxylase-1, RT-PCR: real time polymerase chain reaction, SEM: Standard Error of the Mean.