

FIG. 1

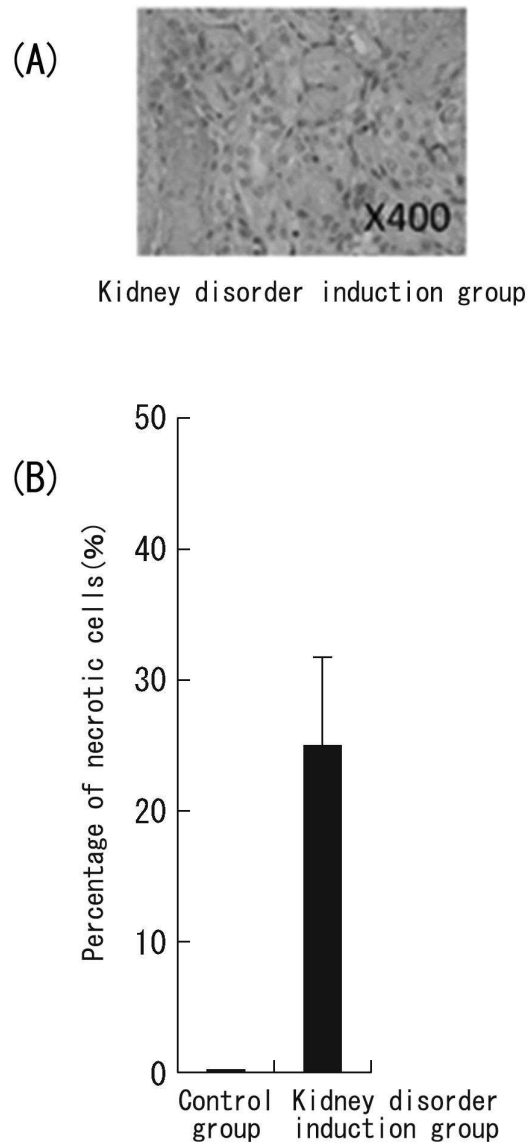


FIG. 2

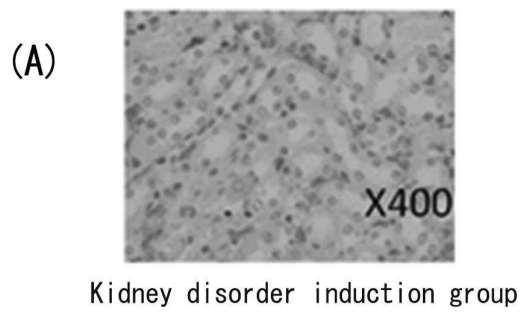
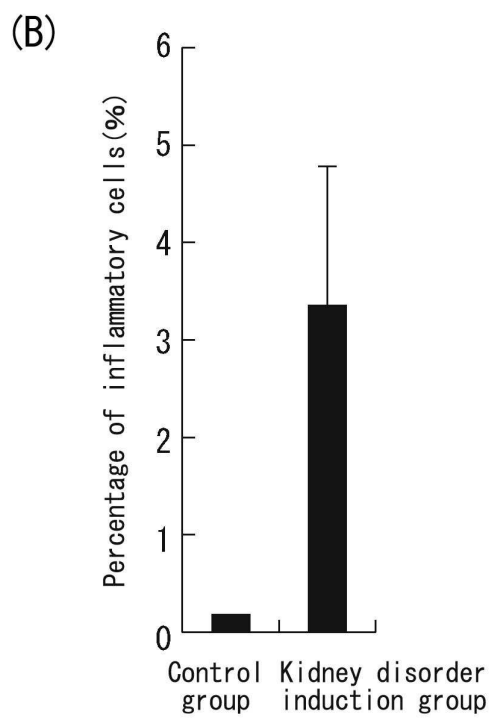


FIG. 3 (A)

Changes in total amino acids

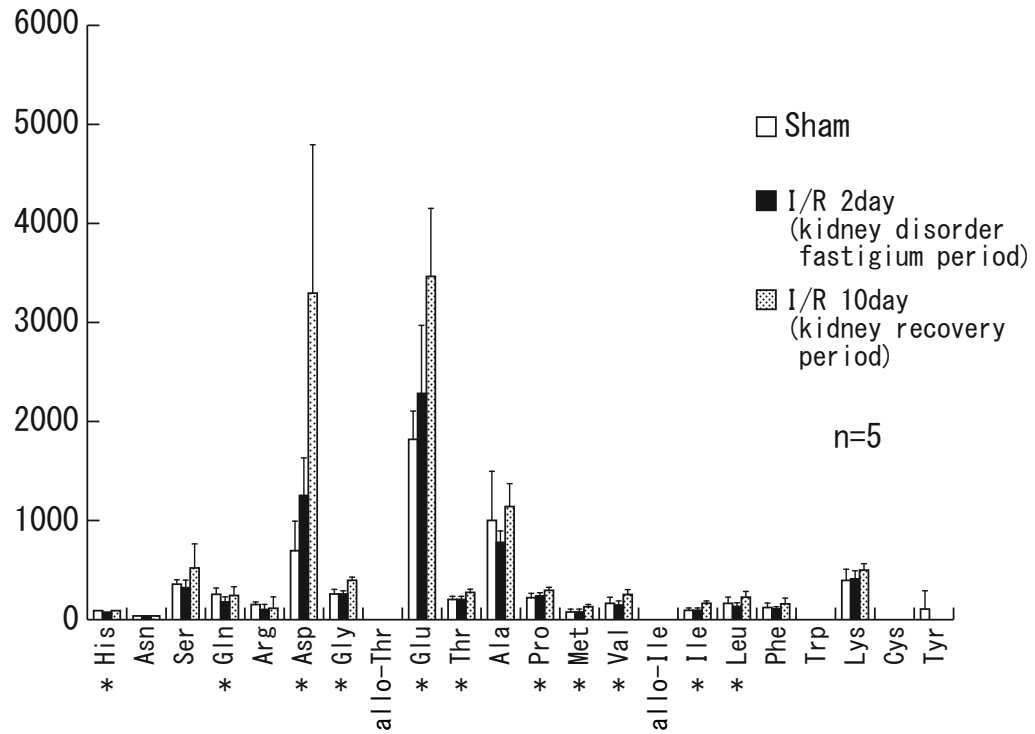


FIG. 3 (B)

Changes in D-amino acid

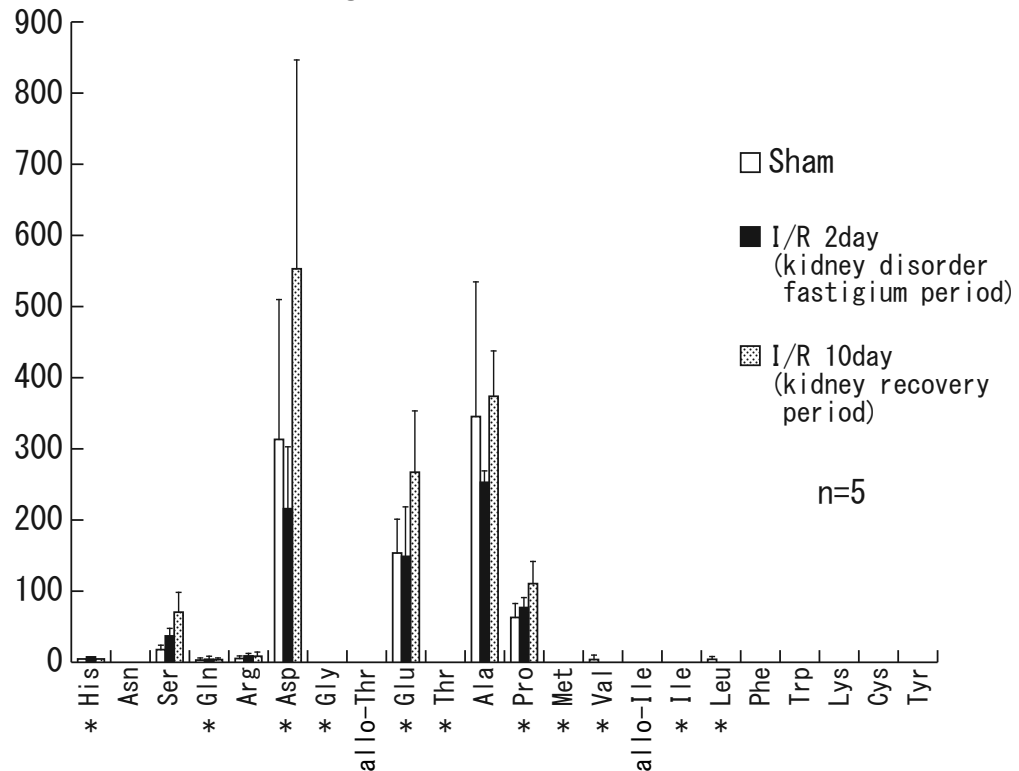


FIG. 3 (C)

Changes in L-amino acid

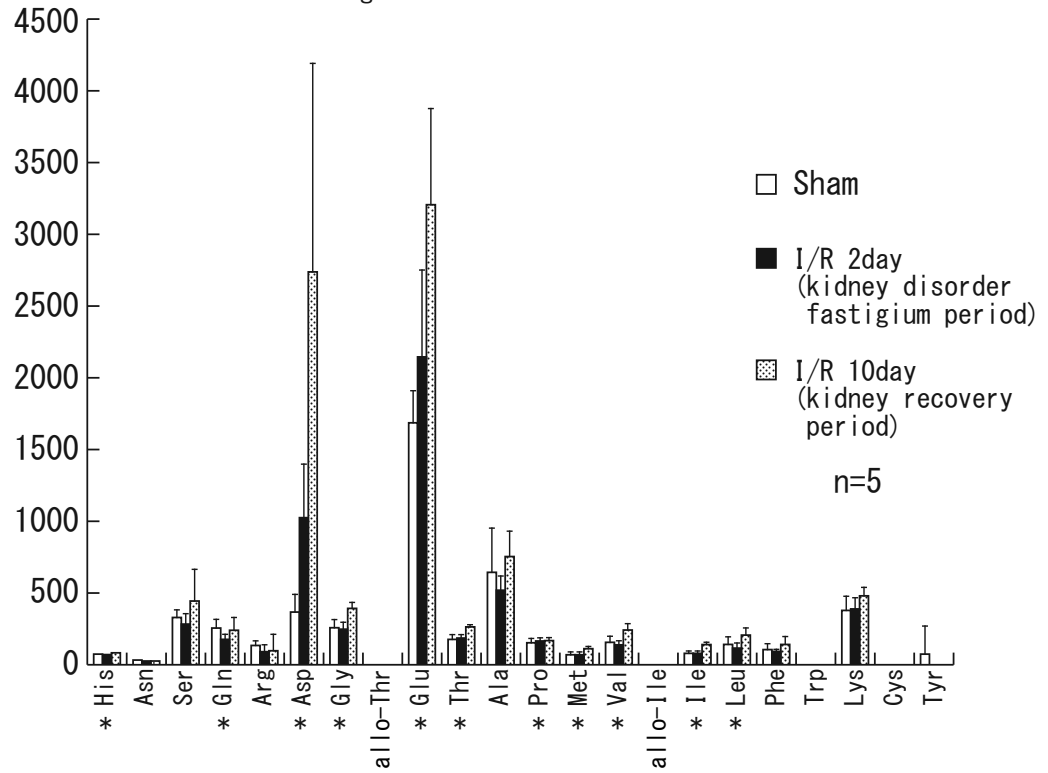


FIG. 3 (D)

Changes in ratio of D-amino acid/L-amino acid

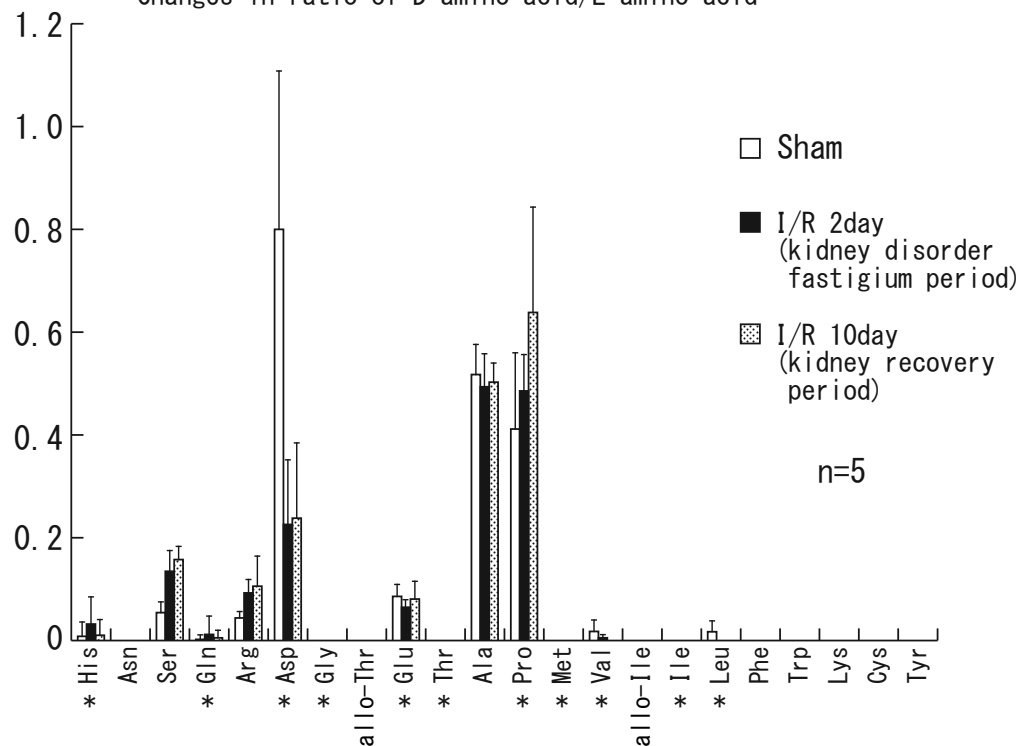


FIG. 3 (E)

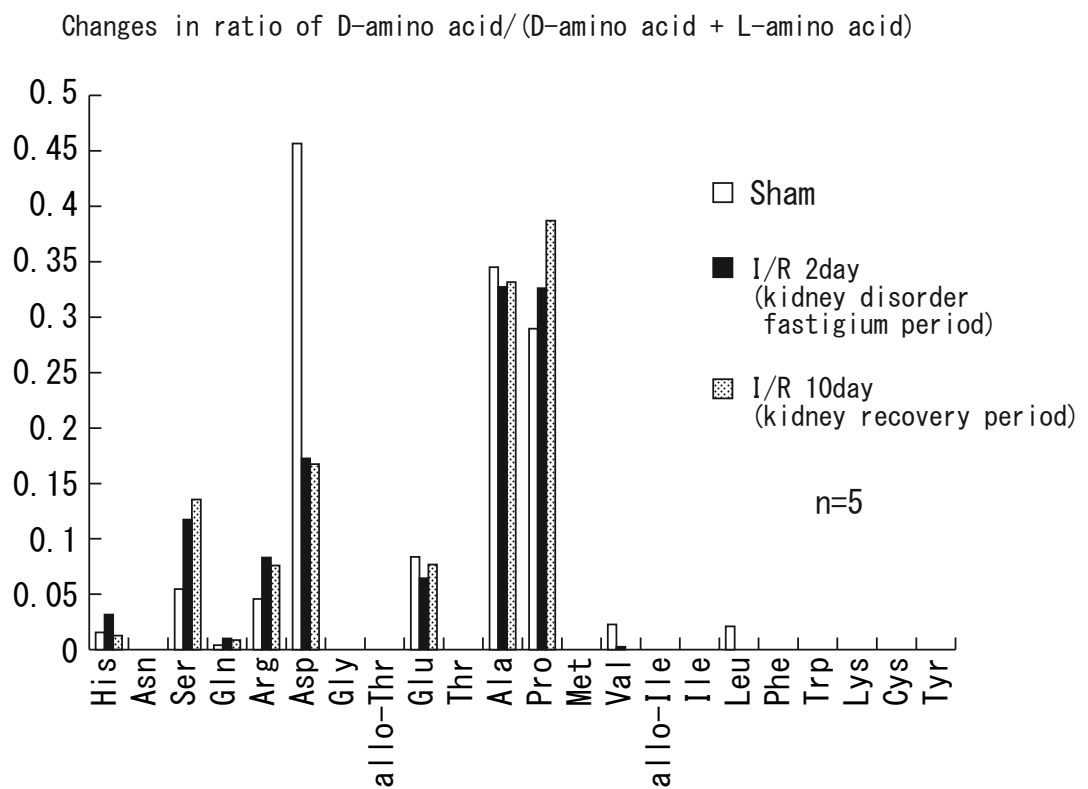


FIG. 3(F)

Significant Difference Table

	D			L			D+L			D/L			D(D+L)		
	sham vs I/R2days	I/R2days vs I/R10days	sham vs I/R10days	sham vs I/R2days	I/R2days vs I/R10days	sham vs I/R10days	sham vs I/R2days	I/R2days vs I/R10days	sham vs I/R10days	sham vs I/R2days	I/R2days vs I/R10days	sham vs I/R2days	sham vs I/R2days	I/R2days vs I/R10days	sham vs I/R10days
His					**			*							
Asn															
Ser	***	*	**				**			**		**	**		***
Gln	***			*											
Arg							*			*		*	**		*
Asp		*		**	*	**	*	*	**	**		**	***		***
Gly	<LOQ	<LOQ	<LOQ		***	***	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ
allo-Thr	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ
Glu		*	*		*	***		*	***	*		*			
Thr	<LOQ	<LOQ	<LOQ		***	***	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ
Ala		***			*			*							
Pro			*					*	**						
Met	<LOQ	<LOQ	<LOQ		**	**	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ
Val					***				*						
allo-Ile	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ
Ile	<LOQ	<LOQ	<LOQ		***	***	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ
Leu	*		*		*			*		*		*	*		*
Phe	<LOQ	<LOQ	<LOQ		*		<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ
Trp	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ
Lys	<LOQ	<LOQ	<LOQ				<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ
Cys	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ
Tyr	<LOQ	<LOQ	<LOQ				<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ

*	P<0. 05
*	P<0. 01
*	P<0. 005

FIG. 4

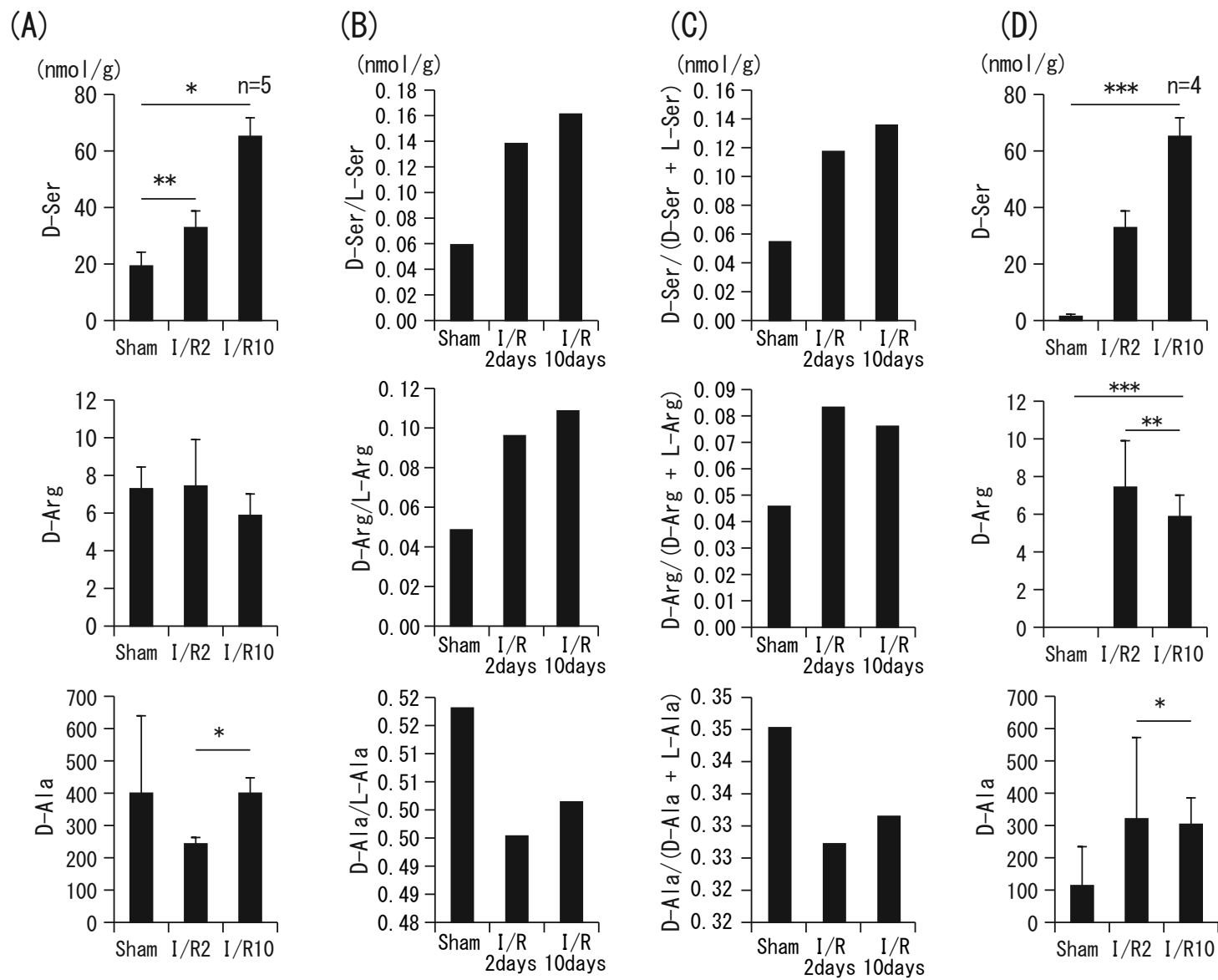
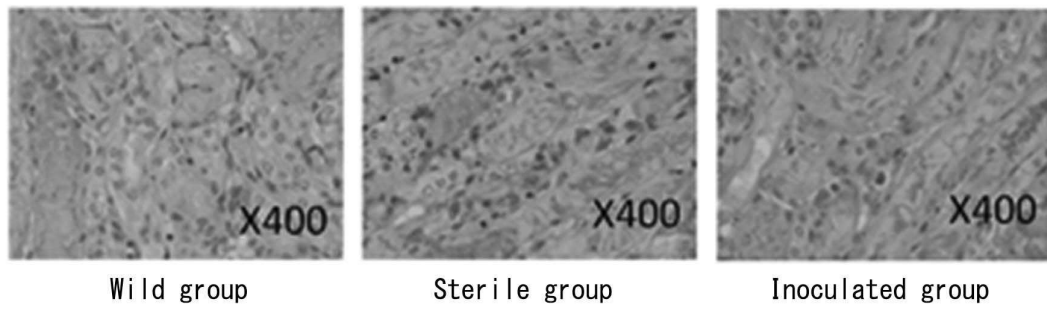


FIG. 5

(A)



(B)

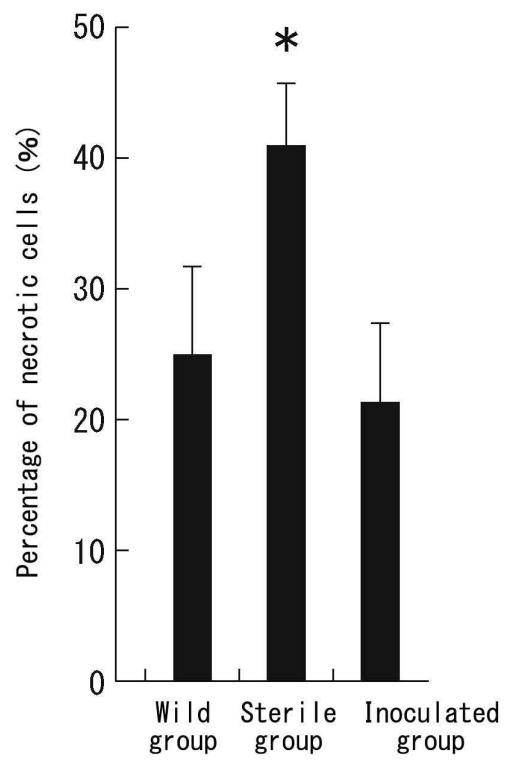


FIG. 6

(A)

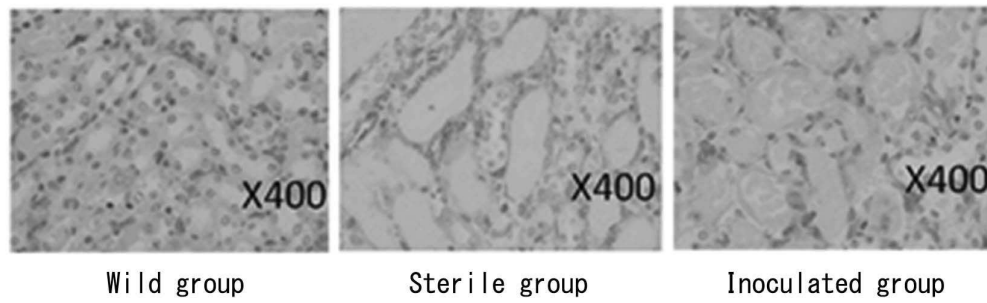
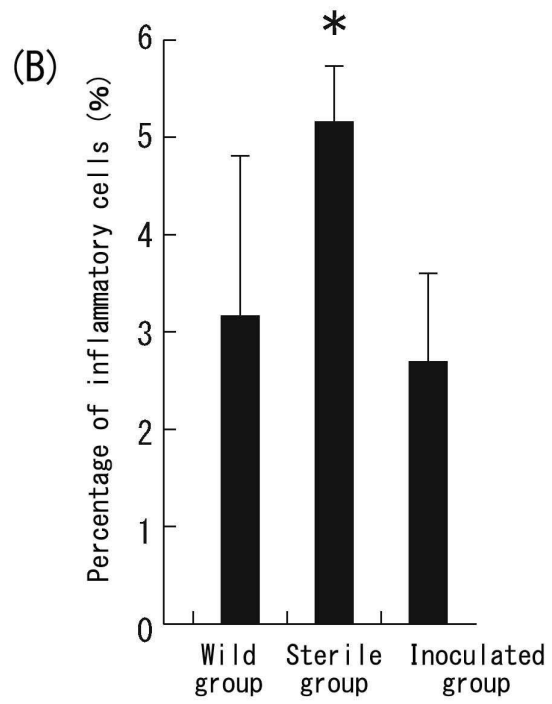


FIG. 7

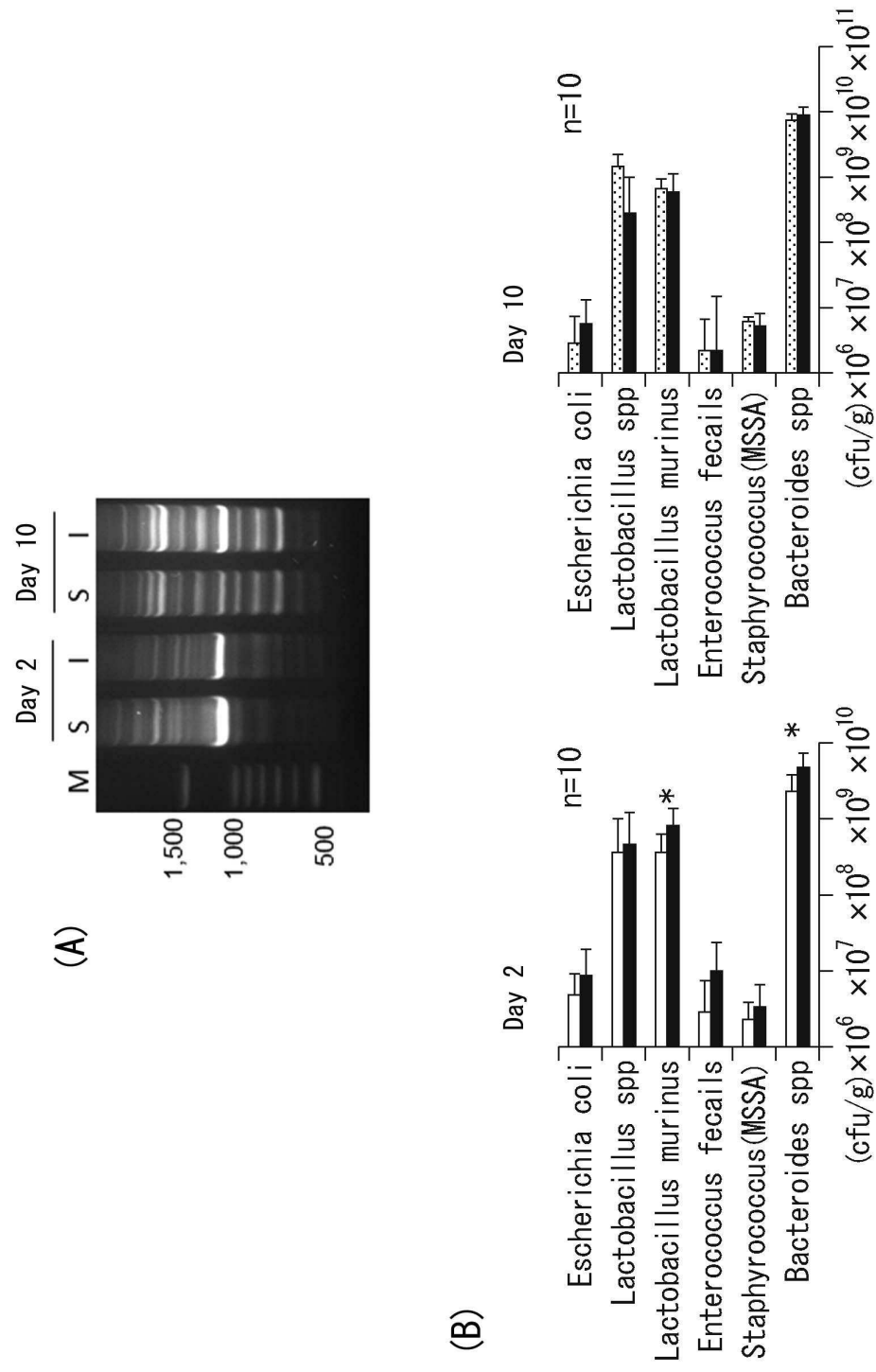


FIG. 8

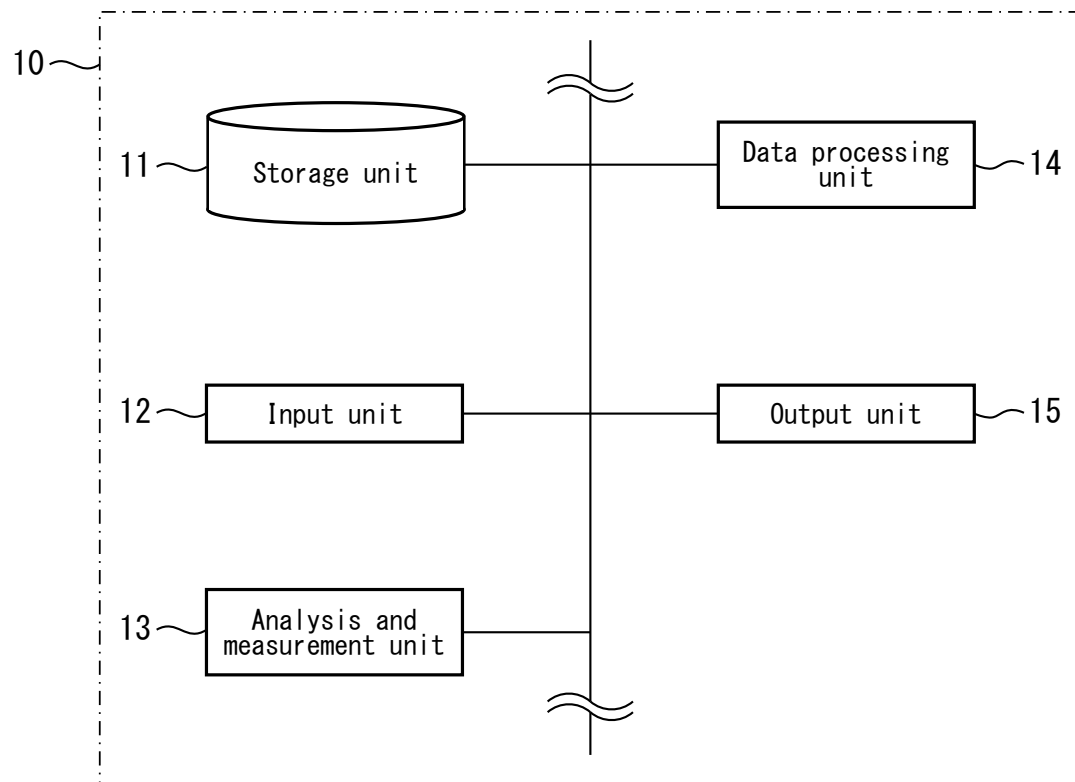


FIG. 9 (A)

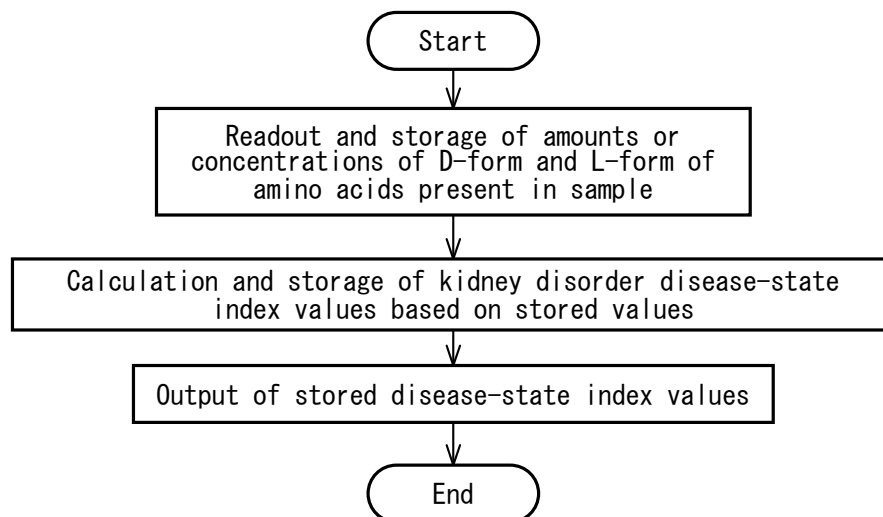


FIG. 9 (B)

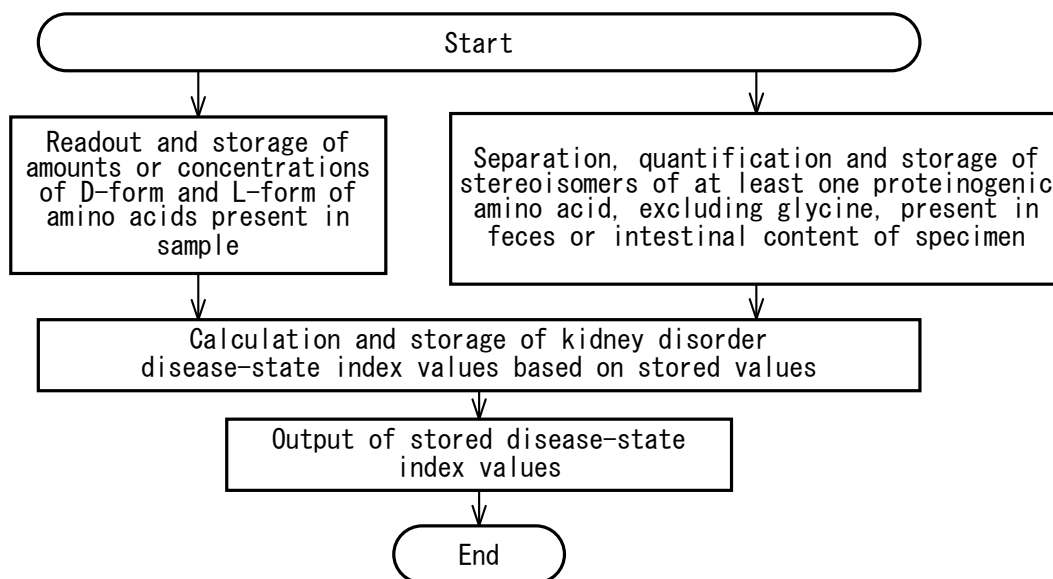


FIG. 9 (C)

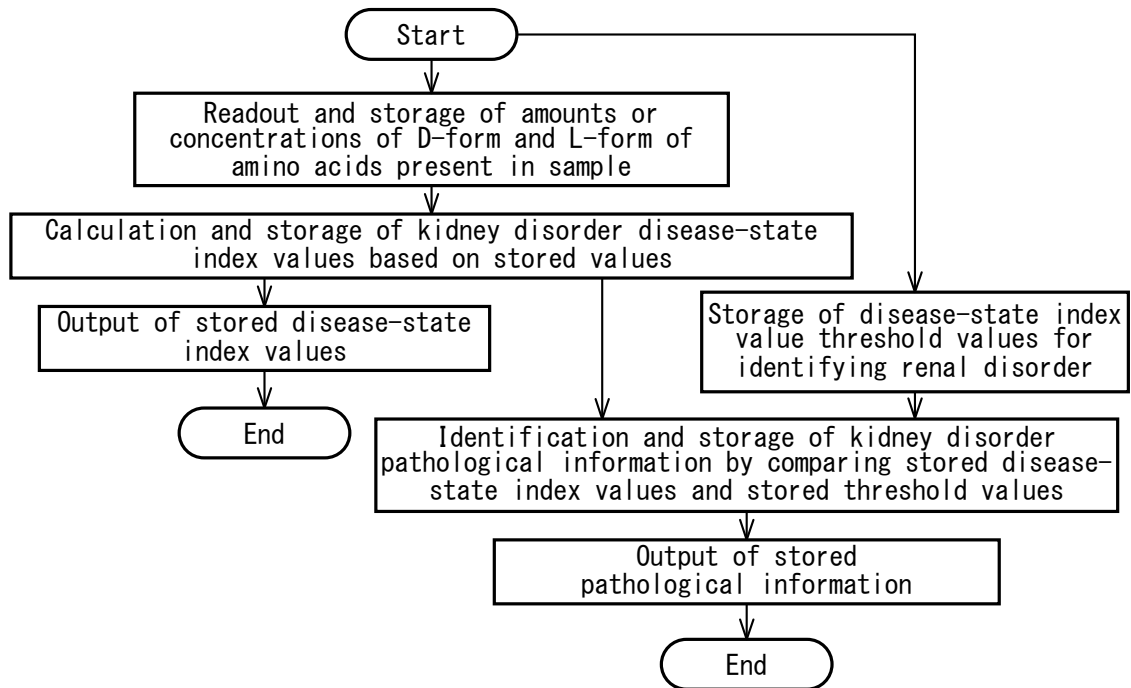
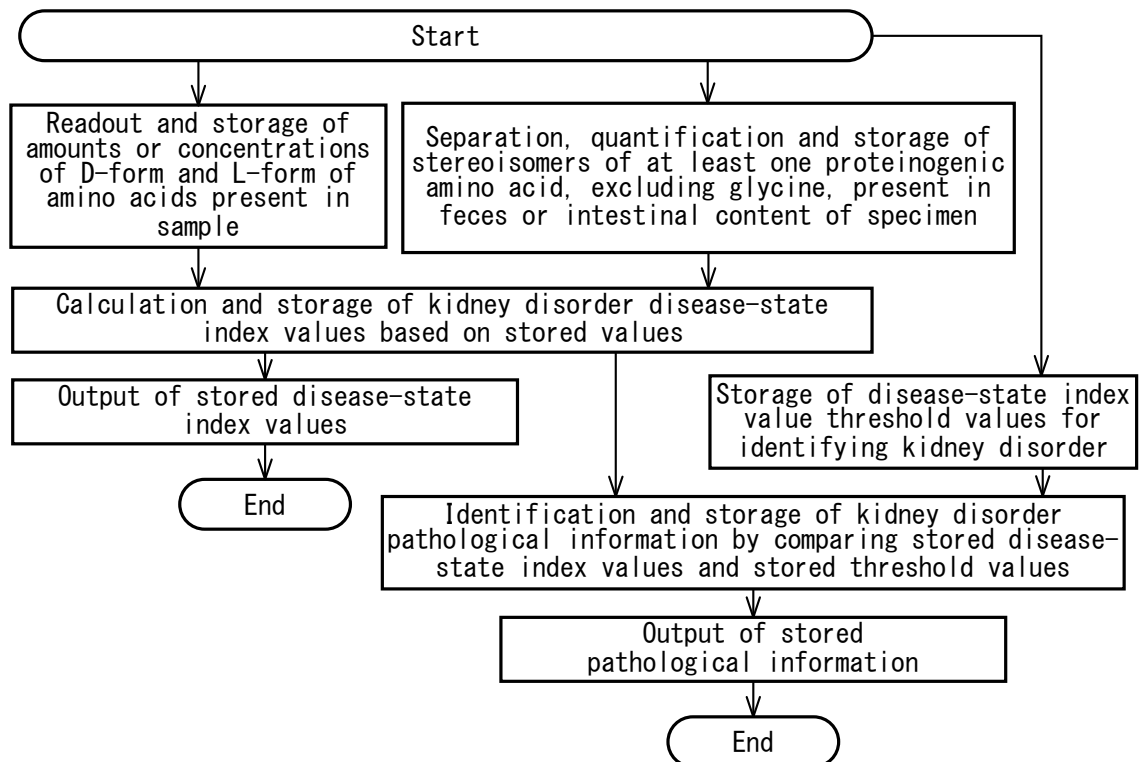


FIG. 9 (D)



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FIG. 10 (A)

Total amino acids

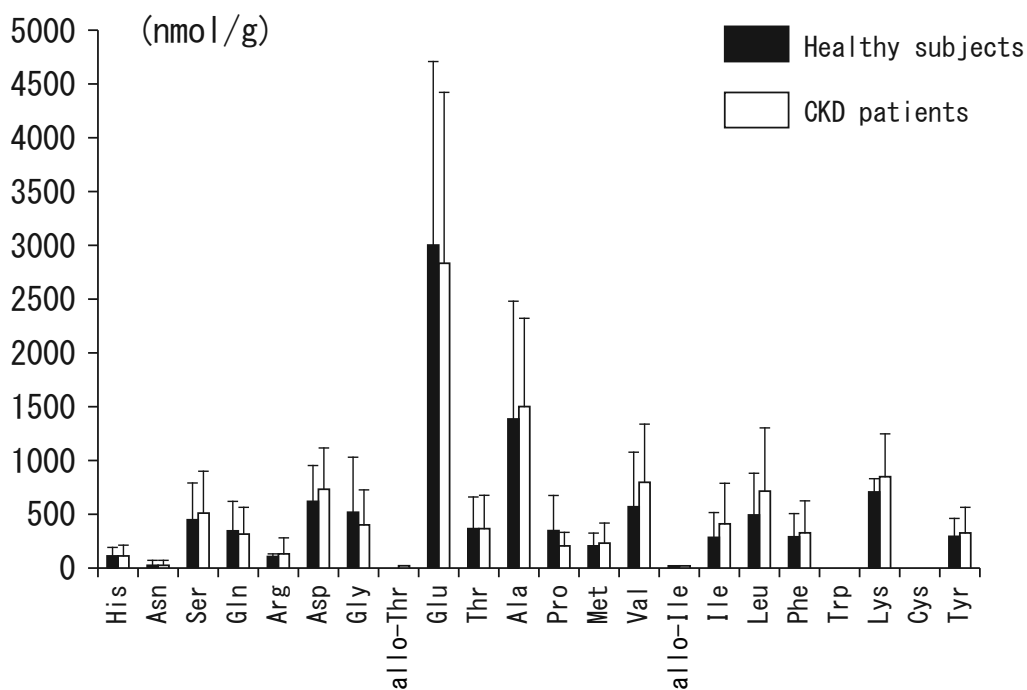


FIG. 10 (B)

L-amino acids

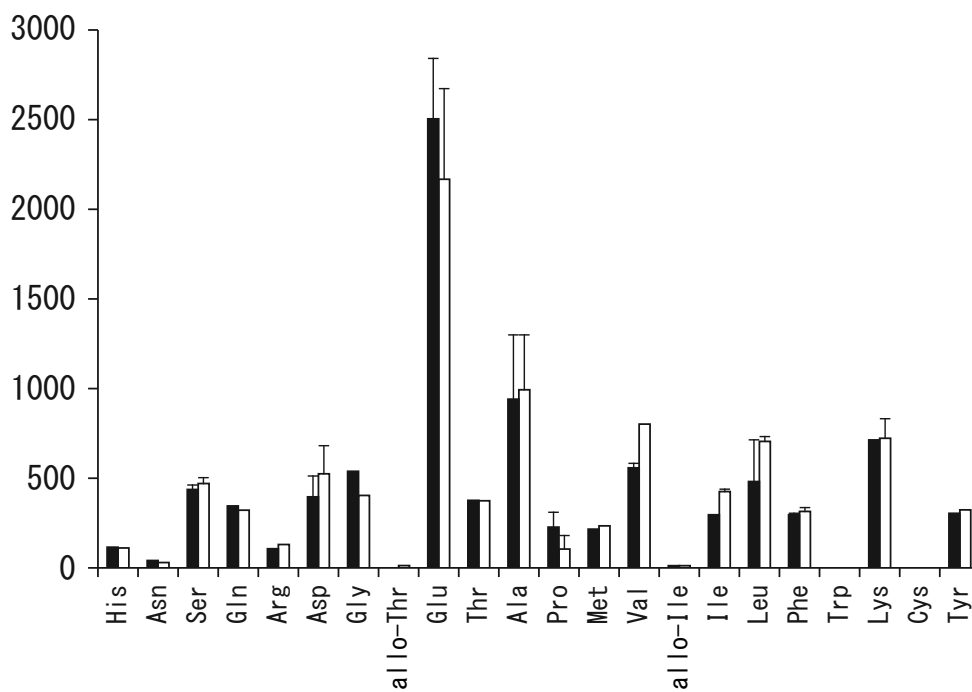


FIG. 10(C)

D-amino acids

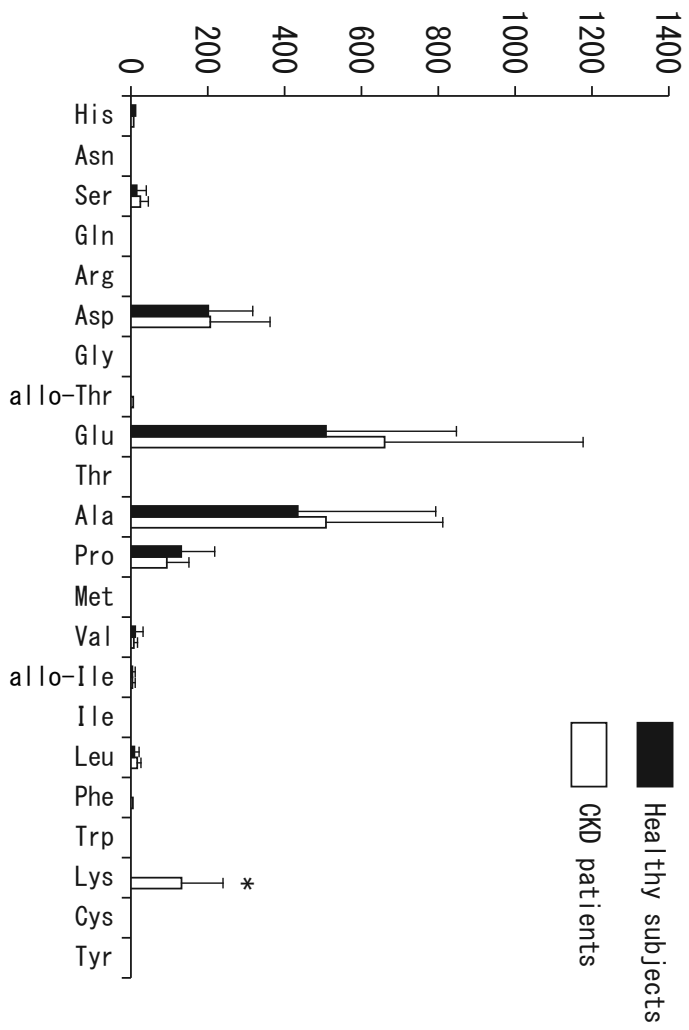


FIG. 10(D)

Ratio of D-amino acid/L-amino acid

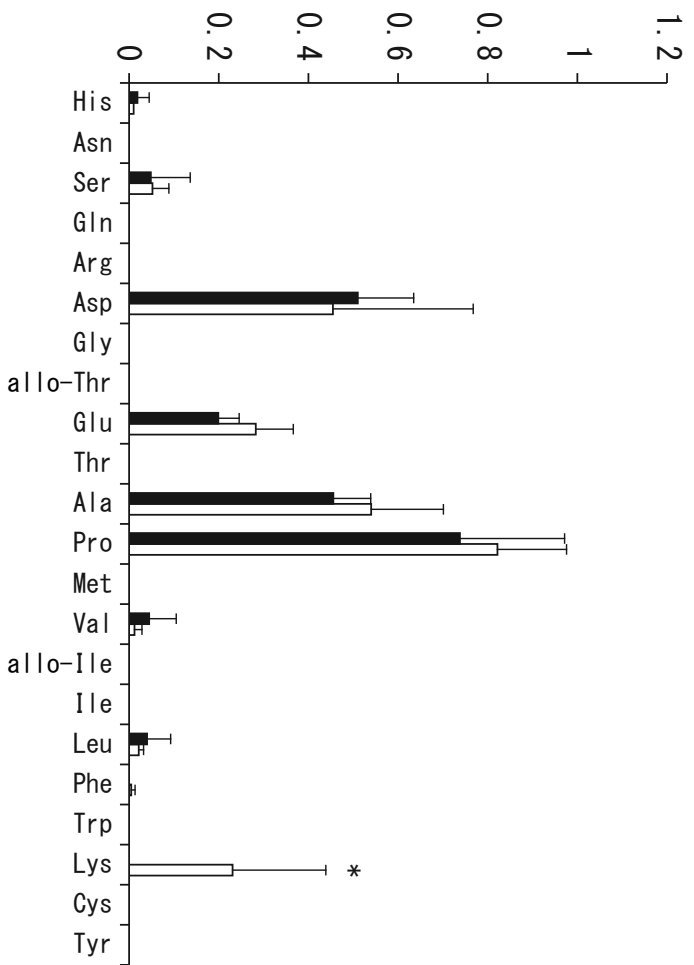


FIG. 11

	Total amino acid		L-amino acid		D-amino acid		D/L amino acid	
	r	p	r	p	r	p	r	p
His	0.837		0.836		0.804		0.804	
Asn	-0.505		-0.505		0.000		0.000	
Ser	-0.143		-0.146		-0.059		0.095	
Gln	-0.188		-0.188		0.000		0.000	
Arg	-0.528		-0.528		0.000		0.000	
Asp	-0.209		-0.264		-0.032		0.522	
Gly	-0.156		-0.156		0.000		0.000	
allo-Thr	0.804		0.000		0.804		0.000	
Glu	-0.117		-0.117		-0.110		-0.148	
Thr	-0.170		-0.170		0.000		0.000	
Ala	0.122		0.215		-0.063		-0.543	
Pro	0.050		-0.013		0.125		0.564	
Met	-0.210		-0.210		0.000		0.000	
Val	-0.257		-0.257		-0.023		0.401	
allo-Ile	-0.460		0.000		-0.460		0.000	
Ile	-0.295		-0.295		0.000		0.000	
Leu	-0.322		-0.314		-0.422		-0.109	
Phe	-0.475		-0.475		-0.510		-0.437	
Trp	0.000		0.000		0.000		0.000	
Lys	0.277		0.507		-0.703		-0.844	
Cys	0.000		0.000		0.000		0.000	
Tyr	-0.342		-0.342		0.000		0.000	

Patient with CDK (PD) n = 8

FIG. 12

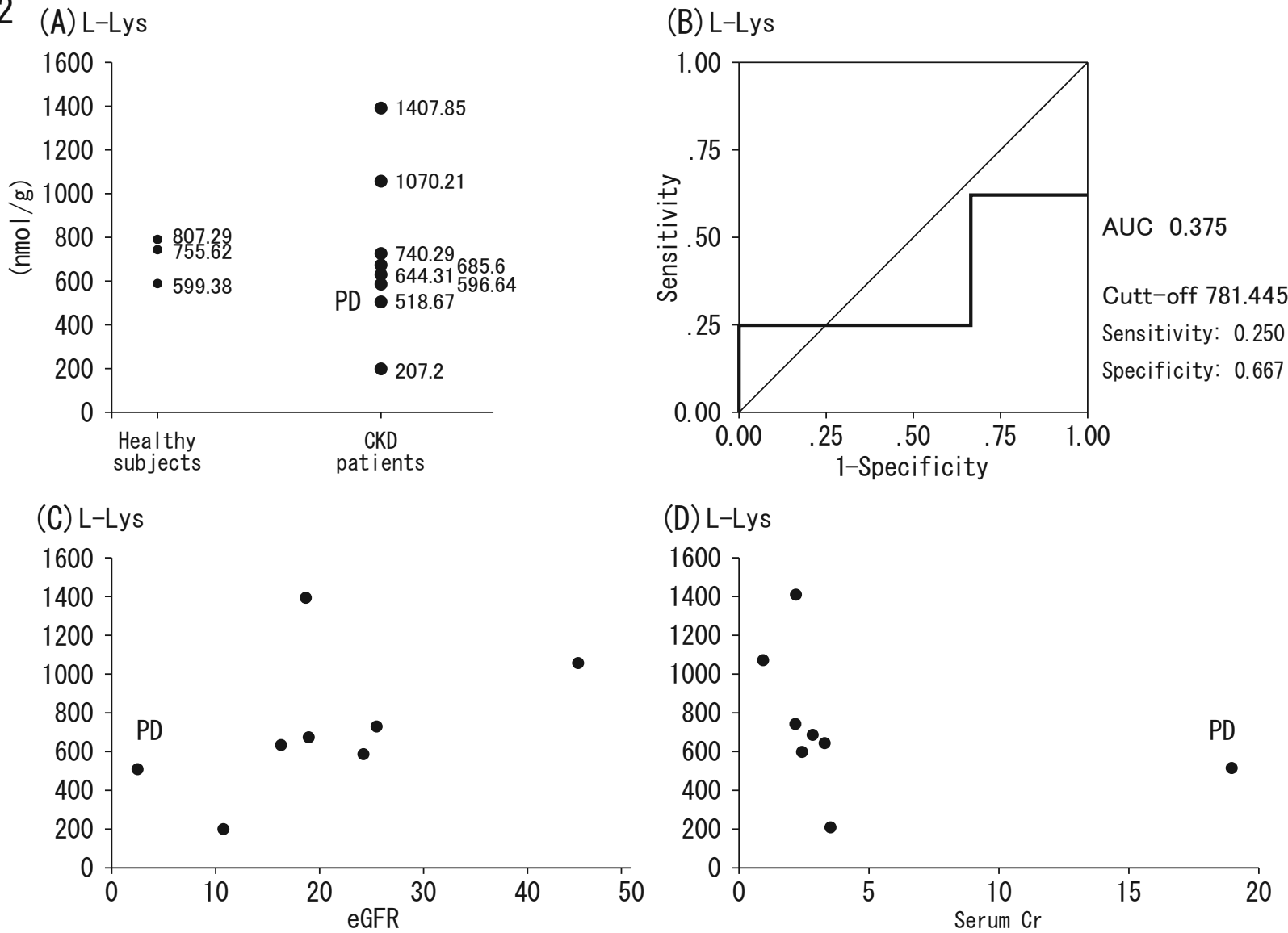


FIG. 13

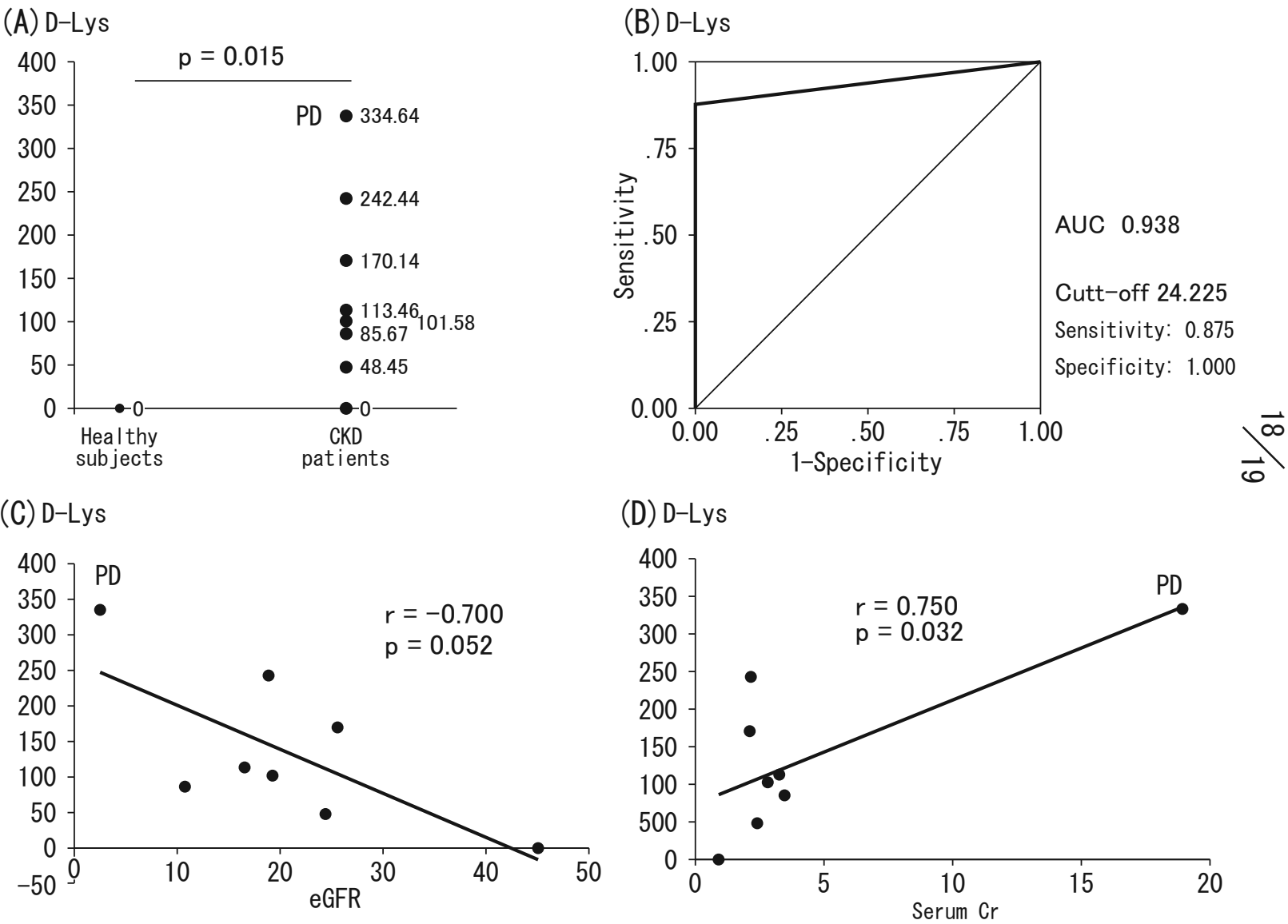


FIG. 14

