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Medical Image and Video Analysis, Video Database Management Systems, and Image Database Management Systems.

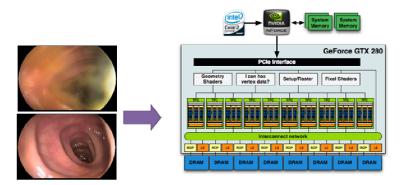
Research Group; Federal Funding; 2 Ph.D. Students

Real-time Colonosopy Analysis and Quality Measure, and its Report



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Procedure Typ			COLONG	COLONG	COLON	COLONG	COLONG	COLONG	COLON
TIMES & SPEE									
			comput	User EO	comput	User EO	comput	User EO	compu
IT	Insert Ins Hour:I	1	0:04:45	0:06:06	0:03:11	0:04:49	0:03:03	0:11:27	0:04:1
WT	Withd Wi Hour:I	1	0:03:51	0:02:30	0:13:06	0:11:27	0:14:02	0:05:38	0:49:45
CWT	Clear IWi Hour:I	1	0:02:17	0:01:40	0:10:18	0:08:53	0:09:53	0:03:54	0:35:53
CWR	Clear IWi Ratio:	1	0.59	0.67	0.79	0.78	0.7	0.69	0.7
NCMC	Numb Wi Numb	1	79	0	443	0	387	0	160
RCMC	Ratio Wi Ratio	1	0.58	0	0.72	0	0.65	0	0.7
STOOL (ALL FF	AMES)								
stoolPercenta	Perceilns %	2	34.61	39.04	26.22	32.29	15.59	14.14	87.0
stoolPercenta	PercerWi %	2	20.8	2.61	14.82	10.63	9.38	3.08	38.5
stoolPercenta	Perceilns %	2	14.23	15.48	9.49	11.24	5.66	5.15	32.1
stoolPercenta	PercerWi %	2	8.12	1.81	5.66	4.38	3.91	2.35	12.7
BBPS_all_left_Bosto:Ins Numb NP			3	2.89		2.82	2.88	2.81	1.5
BBPS_all_tran	Bosto Ins Numb	NP	2.63	2.51					1.2
BBPS_all_righ	Bosto Ins Numb	NP	1.58	1.57	2.32	2.3	2.73	2.92	1.3
BBPS_all_totaBosto:Ins Numb NP			7.21	6.97	7.8	7.51	8.54	8.52	4.05
BBPS_all_left_Bosto:Wi NumbNP			3	3	2.97	2.96	2.97	2.94	2.83
BBPS_all_tranBosto:Wi Numb NP			2.84	2.99	2.84	2.83	2.94	2.99	2.4
BBPS_all_righ Bosto:Wi NumbNP			1.93	2.92	2.46	2.7	2.77	2.99	1.8
BBPS all tota	Bosto: Wi Numb	NP	7.76	8.91	8.27	8.5	8.67	8.91	7.15

Medical Video Analysis and Processing using Graphics Processing Unit (GPU)



Real-time Colonosopy Analysis and Quality Measure, and its Report

- · Camera Motion Analysis
- Texture Analysis
- Withdrawal Detection

Medical Video Analysis and Processing using Graphics Processing Unit (GPU)

- · Informative Frame Detection
- Stool Frame Detection



