

Histology Internal Test e-Order Using Microsoft Access - Say “bye’ to paper order

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Aim

The objective is to improve the internal test ordering procedure in the histopathology laboratory so as to increase efficiency, reduce wastage of paper, and improve the turnaround time for the issuing of histopathology reports.

Methodology

Our paperless online ordering system is essentially a customized modification of an existing commercially available software programme (Microsoft Access). The programme is exclusively created by KKH staff and accessible to twelve pathologists through a shared server. A simple order menu has been created to reflect all stains that are available in-house. Pathologists simply submit order by a few clicks.

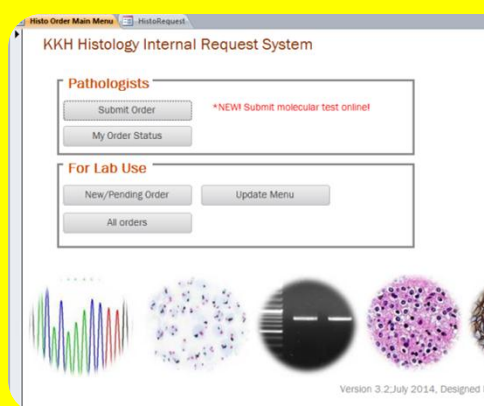


Results

This paperless on-line method of test ordering processed around 5000 orders from July 2013 to March 2014. This has translated a **savings of 5000 slips of papers** equivalent to several reams of paper. The 5 minutes' time required to hand-deliver the slips of paper translate **to savings of many hours of pathologists' time**. Besides, with the standard naming of tests on the test menu, there is **no more confusion** in recognizing the style of writing by different pathologists. All orders are now easier to check and trace since all records are saved in the system.

Conclusion

This is a highly innovative project leveraging on existing commercially software which has been customized to meet the needs of the pathology internal test ordering system. This project has resulted **in cost savings and has improved workflow procedures and increased efficiencies and time savings in the Histopathology work flow.**



HistoRequest

* Stains, Slide retrieval, Regrossing.... any orders..

ID:

Pathologist:

Case Blk No:

IHC:

Special Stain:

Molecular test:

Others or multiple blks:

* Ctrl + Enter : Next Line

OrderedInDate:

OrderedInTime:

Order page: All stains & tests are listed for easy selection. Pathologist simply submit order by a few clicks

New/Pending Orders

ID	P	Pathologist	Case Blk No	IHC	Special Stain	Molecular test	Others	OrderedInDate	OrderedInTime	AttendedBy	Time	Subm By
6575	✓	Dr Chew S	KP 14 - 8939		MT, PASD		GROSS please	27/06/2014	20:44:57	Connie		
6626	✓	Dr Gudi	KP-14-8999 L			HER2 DISH	Please do on one	02/07/2014	09:28:38	Kuick		
6651	✓	Dr Gudi	KP-14-9188				Factor XIIIa	02/07/2014	13:41:38	Yee Eng		
6666	✓	Trainees	kp14-9187 A				regross. Thank!	02/07/2014	19:30:09	Yee Eng		
6675	✓	Dr Adese V	14kp9160				Regross: Take out	03/07/2014	11:33:41	Yee Eng		
6677	✓	Dr Derrick	kp14-9174				2 more blocks of i	03/07/2014	12:54:01	Shyba		
6679	✓	Trainees	kp14-9175 A:				H&E x 1 thanks!	03/07/2014	13:38:27	Siti		
6680	✓	Dr Chew S	KP 14 - 9265	CK5/6, p1			No shaving please	03/07/2014	13:44:32	Siti		
6682	✓	Dr Gudi	KP-14-9185 A	AE1/3, CK7			A6,CK7, CK20, EF	03/07/2014	13:47:07	Siti		
6683	✓	Dr Chew S	KP 14 - 9306	Ki67, p16			Thanks	03/07/2014	13:48:15	Siti		
6684	✓	Dr Derrick	kd14-1433 b:	H.Pylori				03/07/2014	13:56:52	Siti		
6685	✓	Trainees	kd14 1355				B1,B2,A9,10,A11	03/07/2014	14:05:50	Siti		
6686	✓	Dr Gudi	KP-14-9271 A	CK5/6, CK			ER,PR,CerbB2, E-c	03/07/2014	14:07:29	Yee Eng		
6687	✓	Dr Sorsak	KP-14-9195-7	DCIS Panel				03/07/2014	14:08:23	Yee Eng		
6688	✓	Dr Gudi	KP-14-9190 A	CK5/6, CK				03/07/2014	14:16:18	Swa		
6689	✓	Dr Derrick	kd14-1422	S100				03/07/2014	14:18:37	Swa		
6690	✓	Trainees	kp14 9219				part A regross. I'll	03/07/2014	14:29:32	Swa		
6691	✓	Dr Derrick	kd14-1421 a:	CD68	MT, RET, G			03/07/2014	15:13:30	Yee Eng		
6692	✓	Dr Adese V	14kp9249 a3				LVL 2x	03/07/2014	16:27:12			
6693	✓	Trainees	kp14-9197 B				regross. Can help	03/07/2014	16:39:37	Siti		
6694	✓	Dr Chew S	KP 14 - 2522				HE x 1 (T), toda	03/07/2014	21:34:38			
6695	✓	Dr Gudi	KP-14-9257 A	TTF-1			Urgent please	04/07/2014	09:22:31	Yee Eng		
6696	✓	Dr Sorsak	KP-14-9286	Synaptophy				04/07/2014	09:36:34	Yee Eng		
6697	✓	Dr Sorsak	KP-14-9261A	S100				04/07/2014	09:41:20	Yee Eng		

Order view in laboratory: Easy monitoring of every test from every pathologists. No more delay in finding missing papers. No more guessing game from the scribbling handwritten order.