

PenRad received a request after a client reviewed an early PenTip; Can PenRad optimize patient flow, staging and staff resources to monitor and manage patients from arrival to imaging? The client had multiple clinical interviewers, waiting areas, and procedure rooms. Patients and staff were in daily holding patterns.

So we added to the pre-imaging worklist (RIS procedure) a status/location column that would allow dynamic status change with right click support allowing users to change the status with ease, a status filter to allow each specialist a filtered list to focus on next patient for clinical interview, dressing room routing, etc. Plus, a utility screen allowing facilities the flexibility without factory support to create and edit their own statuses and location specifiers, sequential status ordering, and status color coding.

After reviewing the initial concept to the client, where staff could monitor and alter statuses on their PCs, what came to mind was a big LCD monitor mounted on the wall in the central work area, so technologists could identify the next patient to image (in chronological order if desired), and radiologists could glance at it during diagnostic days to know the status and location of each patient procedure.

While modifying the pre-imaging worklist we also facilitated another request; Can you show the last known breast density so we can route these patients to the Tomo room? So we added a Density column just like the one on the reading schedule for the radiologists, where 1 = fatty, 2 = scattered, 3 = hetero, and 4 = dense.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Daugherty, Jane Ann	09/14/1950	3399	Arrived	2		948	Mammogram	Mammogr													
DeVinc, Holly Kay	11/03/1937	3397	Arrived	1		946	Mammogram	Mammogr													
Dillon, Sondra Sue	11/02/1934	3394	Dressing Room			943	Mammogram	Mammogr													
Doerfler, Leah Ann	10/12/1943	3388	Arrived	2		937	Mammogram	Mammogr													
Dorschner, Marianne Ma	10/20/1944	3398	Dressing Room			947	Mammogram	Mammogr													
Dowty, Judith Ann	04/09/1937	3395	Interview			944	Mammogram	Mammogr													
Eckholm, Elisabeth Heli	07/21/1948	73400	Arrived	2		949	Mammogram	Mammogr													
Elason, Ellen Ann	03/05/1939	3404	Interview	3		953	Mammogram	Mammogr													
Engstrom, Debra Sue	06/04/1937	3403	Scrn Waiting Room			952	Mammogram	Mammogr													
Eving, Marilyn Marie	04/17/1945	3402	Scrn Waiting Room	2		951	Mammogram	Mammogr													
Featherstone, Veta Elle	07/05/1934	3405	Dressing Room	1		954	Mammogram	Mammogr													
Ferguson, Pamela Hele	07/03/1940	3410	Interview	4		959	Mammogram	Mammogr													
Fitzen, Wendy Marie	09/08/1943	3407	Interview	2		956	Mammogram	Mammogr													
Finnegan, Melissa Kay	05/07/1929	3406	Arrived			955	Mammogram	Mammogr													
Finneseh, Melissa Jani	04/03/1938	3408	Scrn Waiting Room	1		957	Mammogram	Mammogr													
Fisher, Mary Sue	06/15/1945	73633	Arrived	2		1182	Mammogram	Mammogr													
Fitch, Laura Emily	02/03/1937	73417	Scrn Waiting Room	1		966	Mammogram	Mammogr													
Fjeld, Alice Kay	08/03/1938	73420	Scrn Waiting Room	2		969	Mammogram	Mammogr													
Flanagan, Lisa Jean	09/04/1932	3421	Diag Waiting Room	1		970	Mammogram	Mammogr													
Flemmer, Ann T.	07/08/1932	3418	Arrived			967	Mammogram	Mammogr													
Fogdell, Debra Ann	07/03/1937	3419	Scrn Waiting Room	1		968	Mammogram	Mammogr													
Fornev, Jane Louise	12/23/1934	3416	Arrived	1		965	Mammogram	Mammogr													

When reviewing the patient status concept with the client, it was discovered that they were underutilizing the RIS filtering system. Custom filters are available to filter by exam type or by a combination as well as a group of diagnostic procedure types, for example. This filters non applicable exam types within a work area. Scheduling and miscellaneous flags received from the RIS/HIS system can be used in conjunction.

As a convenience, the system automatically retains the last RIS filter settings by PC for the worklist. For example; ultrasound workstations would only display ultrasound orders and mammography workstations would only display mammos without resetting filters, unless the filters are altered. Contact our Specialists to discuss filtering.

Another feature of the worklist offers exam/patient search. To use, simply type a few characters of the patient's last name, MRN, or accession number, then tap the enter key or Search button. Only patients matching the search criteria are displayed, similar to search on the patient list or on the reading worklist.

Feel you are missing some of the advanced features available? Schedule our Application Specialists to come on-site and work with your staff and radiologists, and be assured you're maximizing PenRad.

**Recommendation for product development?**

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