MDT App User Cases

Users

MDT Co-ordinator
Referrer (no access to MDT list)
General Clinician (can refer and review MDT list)
MDT Chair
Admin (can review and make some changes to MDT list - these are to be confirmed)

We should also consider how people have access to different MDTs - can they be an MDT co-ordinator for the urology MDT and a referrer in another (eg sarcoma MDT).

General Principles

- The site should have a **responsive layout**, so it is usable on mobile devices as well as the desktop.

- The general workflow of pages is:

    1. **Referral form**
    2. **Triage** - of forms to allot to MDTs
    3. **Case preparation -** by juniors, preparing the referred patients details in time for MDT
    4. **Live MDT -** the actual MDT, where there are notes and outcomes recorded
    5. **Confirmation** - Post-MDT review to sign off (ie verify and close) each MDT case
    6. **Jobs -** list of generated jobs to be actioned

- As a user, the options at the top of my page should match the different stages of the MDT process in which I am involved:

    - **Referrer:** Referral Form
    - **MDT Co-ordinator:** Referral form, Triage, Case Preparation, Live MDT, Jobs List
    - **General Clinician:** Referral form, Case Preparation, Live MDT (ie during MDT), Jobs List
    - **MDT Chair:** Referral form, Case Preparation, Live MDT (ie during MDT), Confirmation, Jobs List
    - **Admin:** All screens + and any advanced admin tools

- As a user, the layout of the pages may be matched to my role (eg may be different layouts / options for different roles)

- I should also be able to search for a patient from the main page and view their whole record
    - ie all the MDT events they have undergone.

- As an advanced feature for admins, we need an audit log of changes:
    - https://www.youtube.com/watch?v=G4DCAJ5MQx4
    - Likely to be very difficult to achieve, but try to formulate a plan.

Referral Form Page

- As a user, I want to add new MDT referral forms.
    - The first question will ask which MDT to refer to.
    - The same adaptive form will be used for each MDT. The fields change as outlined in the MDT data requirements spreadsheet.
    - The form will allow document / image upload. Consider a pdf convertor to change all docs into pdf.
        - This kind of easy to use upload would be perfect:
            - https://help.xero.com/Files
        - openEHR does have file attachment capability

- As a user, I want to review recently submitted forms and make changes
    - Note: This can not be permitted after the case is “prepared”. ie the information has been acted on.
    - However, we may need to review this time limit, if it does not work in practice.

Triage Page

- As a user, I should only have access to this page if I am an MDT co-ordinator or Admin

- As an MDT co-ordinator, I will only have access to triage pages for the MDT specialties to which I belong:
    - E.g. Urology, Lower GI, Oesophageal, Sarcoma

- As an MDT co-ordinator I want to be able to do the following:
    - Begin by choosing the MDT specialty I want to see
        - This would bring up a list of all the referrals pending allocation for that specialty

    - Be able to allocate individuals from the pending list to MDTs, either by:
        - Opening up the referral form details for a patient, and then allocating that patient to the correct MDT date.
        - Bulk selecting multiple cases from the list and allocating to an MDT date.

    - Be able to query an MDT referral (this would make most sense from within an individual referral, rather than in bulk):
        - Outright rejection, which sends an automated email to the user who referred the case.
            - This referral form is then moved to a “rejected” list, from which it can be retrieved if required, similar to retrieving email from the Trash.
        - Or change the MDT to another specialty.
        - Or easily send a query (? which generates an email ?) to the referrer asking for more details.

    - Have a secondary option of reviewing the list of allocated cases in upcoming MDTs of that specialty, so that I can:
        - Move patients between different dates (? by drag and drop ?)
        - Move patients within different sections within an MDT (eg renal, bladder, prostate)
            - This would probably mean that when patients are first added to the MDT, they would be in an “unallocated” section. By clicking on a referral in the list, it should show up the referral form details on the side, to help you decide which section to move it into.

<u>Case Preparation Page</u>

- As a user I would use this section to put in additional details about the case, which were not in the referral form, but which would be relevant for discussion during the MDT meeting.

- As a General Clinician, I would ideally like a mobile application which allows me to enter this data more seamlessly.
    - This is a minor issue (relevant for pathology and radiology), especially if we have a **responsive** site.
    - But it may be worth having a version of the site which is read only! This will act as the MDT list with small sections for personal notes only, which most people will use.

- Radiologists and pathologists would also have the role of General Clinician and have access to this screen, (and everyone would see the same layout), but they would probably only fill in their relevant section.
    - Note: which user fills which section can be variable depending on the MDT, so we do not need to be more granular with the roles for now.
    - Can we find a way of having an easy representation of who wrote what and who made which changes?

        - Can you have a button that turns on/off colour coding, similar to google docs.
            - https://www.youtube.com/watch?annotation_id=annotation_747854663&feature=iv&src_vid=jmsHqL9GkSE&v=tZId5UIOGj8
        - Probably very hard, but I thought I would ask.

- As a General Clinician I would like the following in the general section:
    - A list of fields that needs to be completed - the list of fields needs to be discussed with Ben Goretzki.
    - A freetext box for general comments.
    - File / image upload.

- As a General Clinician I would like the following in the radiology section:
    - Freetext box.
    - File / image upload.
        - In the future, I would like a system to draw small diagrams on a mobile device, based on templates, similar to the radiology visual reporting app.

- As a General Clinician I would like the following in the pathology section:
    - Freetext box.
    - File / image upload.
        - In the future, I would like a system to draw small diagrams on a mobile device, based on templates.

Live MDT Page

- This section is for use during the MDT.
    - If multiple people have it open, how do quick can we update people's devices with new data?
    - The main list of fields should be obtained from Ben Goretzki.

- As a user, I should be able to look at the patient's other details (eg referral form, case preparation, other MDT discussions) very easily.
    - Fitting all this into an easily navigable layout will be the main challenge.

- Also as a user, I need the ability to add jobs and assign it to other users:
    - Click a button to add a new job
    - Type out a freetext description of the job
    - Assign job to a user:
        - This would then go on the user's jobs list. At the end of the day, there should also be an automated email to the user if there are outstanding jobs on their list.
        - If the target user is not registered on the same, I would allocate the job to myself, to remind me to contact the user by other means.

Confirmation Page

- List all cases requiring sign off, default arranged by MDT date.
    - Can be re-ordered by other fields too.

- As an MDT chair, I should be able to click on a case, which shows the referral form fields, prep and outcome in an ergonomic fashion.
    - Should have ability to click “Sign off” to complete the case and take off the list.
    - Should have ability to add new jobs (as in the Live MDT section).
    - Should have the ability to tag a case for further review and also add freetext notes.
        - Maybe even upload a file / image.

- As an MDT chair, there should be a separate sections where:
    - I can view the flagged cases.
    - I can see the history of cases I have signed off (starting with the last few cases), and review their details.

Jobs Page

- As a user I should be able to see the jobs assigned to me:
    - Selection box, Date/Time, Patient name, Hospital number, Job description, “Job Completed” button.
    - Take job off list by clicking the “Job Completed” button, or selecting multiple lines (selection box) and clicking a button to complete job
        - This should trigger a modal to confirm the action.

- As a user I should be able to click on a job to see the MDT record (referral form, prep and live MDT outcome) from the which the job was created.

- As a user, I should be able to see the history of previously completed jobs (starting with the last few cases), and review their details.