British society of Dermatological Surgeons

“How can patient expectations relating to skin cancer surgery be assessed and addressed?”

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Skin cancer is the most common malignancy worldwide. The incidence of NMSC is set to double in the next 30 years, with melanoma showing an equally disturbing trend. Surgical intervention is required in 30% of all Dermatology referrals; commonly for skin cancer. Dermatological surgery is facing increasing patient expectations and an increased requirement to meet them as part of the patient-centred paradigm. Patient expectations have been proven an important determinant of patient satisfaction. Despite this, there is surprising sparse literature exploring expectations regarding skin cancer surgery. This essay expands on concepts of patient expectations regarding skin cancer surgery, whilst developing strategies to assess and address them.

Rising expectations

Patient expectations of medical practice saw their first dramatic increase after the discovery of anaesthesia and anti-septics in the mid-nineteenth century. Surgical advancements saw a transition from “hoping” for good health, to “demanding” good health. Patients began to “expect a technical fix for everything” with few complications (Martin. S. Pernick).

We live in a revolutionary era where information once restricted to medical professionals, is now readily available to patients via various media sources. Of course, “Information is not knowledge” (Albert Einstein). Patients unfortunately have more exposure to Daily Mail articles such as “A cure for skin cancer’ than reliable appropriate sources. The media, combined with societies emphasis on cosmetic appearance, has led to exceptionally high expectations regarding skin cancer surgery. This has lead to a gulf between patient hopes and the ability of dermatological services to meet them. Naturally, this is mutually frustrating for both the patient and clinician. Reactions to unmet expectations range from disappointment to anger.

The importance of expectations

Current medical practice supports a “patient-centred paradigm” of health, described as “a state of complete physical, mental and social well-being and not merely the absence of disease”. Dermatologist reported effectiveness of skin cancer treatment is considered only part of quality care delivery. Instead, emphasis is placed on patient satisfaction which better addresses the holistic medical approach. Fulfilling the expectations of patients undergoing dermatological surgery is key to patient satisfaction; measured in terms of patient reported outcome measures / PROMs. This hierarchy is summarised in figure 1.

There is a wide bank of literature investigating patient satisfaction regarding skin surgery. However, research “upstream” into assessing and addressing patient expectations remains sparse. This is party explained by the complex principles of expectations being poorly conceptualised. Current literature demonstrates wide discrepancies in the basic definition of “patient expectations”. Bowling et al explored various models, eventually defining them as.
“The informed prediction that given events are likely to occur during, or as a result of, health care”

This definition demonstrates “prediction expectations” rather than “value expectations” which are based on what a patient most highly “desires”. For example, a patient may value a complete cure for metastatic cancer highest (value expectations) but predict to survive a few years pain free (prediction expectations). Although “prediction expectations” are more clinically realistic, “value expectations” are an important focusing tool in deciding appropriate surgical management.

Patient expectations are unique and constructed from multiple sources including information, cultural background, beliefs, attitudes, media and family [13]. For example, older patients have higher expectations of physician friendliness, whilst females have higher expectations regarding cosmetic outcomes [15].

Assessing expectations

Assessing patient expectations is difficult as they are often vague, unrealistic or unknown [18]. Given the ambiguity surrounding “expectations”, it’s not surprising there’s no standardized or validated expectations assessment model for patients undergoing skin cancer surgery [7] [17] [20]-[22]. Current literature demonstrates the two main methods of expectation measurement are questionnaires and interviews/consultations (table 1).
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<tr>
<th>Study</th>
<th>Method of expectations assessment</th>
<th>Raised issues</th>
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**Prediction expectations**
- physiological
- social
- psychological
**Questionnaires**

The development of a nationalised, standardised and reliable questionnaire exploring patient expectations would aid dermatological surgeons in assessing patient expectations individually and nationally. It would allow demographic and disease specific comparison, as well as quantitative statistical analysis of this poorly researched subject. Such a questionnaire could be developed from two sources:

1) Issues raised in studies exploring expectations (table 1)
2) Existing PROM questionnaires

Analysing expectation specific studies (table 1), the issues raised can be split into a physical psychosocial model as part of the “patient-centred paradigm” (figure 2).

![Figure 1](image_url) - flow chart developed to demonstrate the important relationship between patient expectations and patient satisfaction (PROM). Demonstrates that assessing and addressing expectations is required for delivery of quality medical care as part of the patient-centred paradigm.

Given the important relationship between patient expectations and PROMs, and the greater quantity of PROM literature, it may be logical to expand from existing PROM questionnaires. This would allow direct comparison between domains of expectations and satisfaction. Systematic reviews of dermatological PROMs demonstrate various models (Skindex, DLQI, FSCI, POS-Head/Neck). The most appropriate potentially being the SCQOLIT questionnaire which is skin cancer specific and addresses most areas drawn from table 1.

Joseph Colclough
In previous studies, patients have completed questionnaires at various time frames in their skin cancer management. The results demonstrate how expectations are not static [20]. Bowling et al emphasises the importance of questionnaires being completed at pre-consultation and post-consultation [20].

Consultations

Questionnaires and models of assessing expectations are no substitution for good verbal communication. Herath et al described how 12% of patients didn’t read their skin cancer information leaflets meaning questionnaires can’t be heavily relied on [6]. Unfortunately consultations have significant time restraints limiting the number of expectations that can be explored. Focusing on the patient centred paradigm, the most important expectations to assess are “value expectations”. These will be unique and are affected by multiple factors including cancer type, lesion location, sex, past medical experiences [11][15][25]. Roger Neighbour, who cross examined multiple consultation models, described an “ICE” approach guide a clinicians’ focus [30]:
- Ideas
- Concerns
- Expectations (as a reflection of ideas and concerns)

Addressing expectations

Addressing expectations involves modifying any unrealistic expectations and delivering appropriate care with a holistic approach [18]. General expectations of health care include being listened to, clear explanations, empathy and professionalism [13]. With medical practice now driven by evidence based guidelines, the decision on what surgery is most appropriate is, for the most part, an easy one. However, these guidelines aren’t unique to individuals “value expectations”. For example, despite Mohs micrographic surgery long being championed as the gold standard for NMSC of the face, certain patients mightn’t be able to tolerate the long process nor be concerned about cosmetic outcome.

Ahmad et al demonstrated that 11% of patients attending dermatological consultations had unrealistic expectations [24]. Modifying these can be achieved through stringent communication and providing accurate understandable information. An equal understanding of the advantages of surgery and potential negative outcomes (pain, time off work, disfigurement) should be achieved. Although verbal communication is vital, patients may have difficulty retaining all information discussed during a consultation. Information leaflets, already widely used by the NHS, are an important tool to address this problem. Despite this, NICE has highlighted the need for more patient information regarding management and prognosis [31]. The use of photographs depicting anticipated scaring and potential side effects has demonstrated varying results in terms of expectation modification [32][6].
Conclusions

The increasing incidence of skin cancer combined with rising patient expectations, makes understanding the principles of expectations important for future dermatological surgeons. Expectations affect patient satisfaction, so assessing and addressing them is a crucial part of the “patient centred paradigm”. Expectations can be assessed through questionnaires and consultations. The development of a nationalised, standardised and reliable questionnaire should be a future focus of study in this area.

Addressing expectations involves modifying any unrealistically high expectations and providing the appropriate treatment based primarily on the patients “value expectations”.

Overall patient satisfaction regarding skin cancer surgery is high. Kearney et al demonstrated that 91% of patients were satisfied with surgery outcomes suggesting expectations are being met [11].

Rising patient expectations is considered problematic by many health care professions. However, some theorize that they are driving medical practice and research, thereby having a positive impact on the future care of skin cancer patients.

Word count- 1315 (excluding tables)
References


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[31]- Julia Verne, “Improving Outcomes for People with Skin Tumours including Melanoma”, National Institute for Health and Clinical Excellence, 2010