Clinical decision-making and therapeutic approaches in osteopathy - A qualitative grounded theory study

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abstract

There is limited understanding of how osteopaths make decisions in relation to clinical practice. The aim of this research was to construct an explanatory theory of the clinical decision-making and therapeutic approaches of experienced osteopaths in the UK.

Twelve UK registered osteopaths participated in this constructivist grounded theory qualitative study. Purposive and theoretical sampling was used to select participants. Data was collected using semi-structured interviews which were audio-recorded and transcribed. As the study approached theoretical sufficiency, participants were observed and video-recorded during a patient appointment, which was followed by a video-prompted interview. Constant comparative analysis was used to analyse and code data.

Data analysis resulted in the construction of three qualitatively different therapeutic approaches which characterised participants and their clinical practice, termed: Tutor, Communicator and Educator. Participants’ therapeutic approach influenced their approach to clinical decision-making, the level of patient involvement, their interaction with patients, and therapeutic goals. Participants’ overall conception of practice lay on a continuum ranging from technical rationality to professional artistry, and contributed to their therapeutic approach. A range of factors were identified which influenced participants’ conception of practice.

The findings indicate that there is variation in osteopaths’ therapeutic approaches to practice and clinical decision-making, which are influenced by their overall conception of practice. This study provides the first explanatory theory of the clinical decision-making and therapeutic approaches of osteopaths.

Keywords:
Clinical reasoning Decision-making Osteopathy Grounded theory

1. Introduction

Currently, the number of osteopaths in the UK exceeds 4500 (GOsC, 2012b) and practitioners are increasingly being considered as significant providers of manual therapy (NICE, 2009). Osteopaths in the UK are autonomous practitioners who diagnose and manage patients with a range of musculoskeletal conditions (Fawkes et al., 2010). Practitioners employ an array of therapeutic interventions, with ‘hands-on’ manipulative techniques (e.g. spinal manipulation) preferred by practitioners in the UK (Fawkes et al., 2010) and internationally (Johnson and Kurtz, 2003; Orrock, 2009).

Osteopathic practise is considered to be patient-centred (WHO, 2010: GOsC, 2012b) and underpinned by a core set of principles, concepts and theories, many of which focus on the anatomical and physiological capabilities of the human body (Sefinger et al., 2003; Paulus, 2013). Currently osteopaths tend to be defined by their application of techniques, such as treatment applied to the: neuro-musculoskeletal system often termed ‘structural osteopathy’ (Hartman, 1996); internal organs, termed ‘visceral osteopathy’ (Hebgen, 2010) and applied to the skull, termed ‘cranial osteopathy’ (Liem et al., 2004). Although these characterisations provide some useful description of the therapeutic techniques osteopaths employ, they offer a superficial understanding of practitioners’ clinical practice and decision-making.

Over the last forty years researchers have been attempting to understand the nature and processes of clinical practice and decision-making. For example, in the physiotherapy profession there is a growing body of research on a range of aspects of practice such as the processes of clinical decision-making (Edwards et al., 2004; Cruz et al., 2012) and the nature and development of expertise (Jensen et al., 2000; Petty et al., 2011a,b). This research
demonstrates that well-developed clinical decision-making skills are fundamental to expertise (Jensen et al., 2008). There is currently little to no research of osteopaths’ clinical decision-making and their approaches to practice (Thomson et al., 2011). A research-based knowledge of these areas of osteopathy would be valuable to educators and practitioners and ultimately help enhance patient care. The aim of this study was to develop an explanatory theory of the clinical decision-making and therapeutic approaches of experienced osteopaths in the UK.

2. Methods

2.1. Study design

The study used constructivist grounded theory (Charmaz, 2006). By exploring the different meanings and experiences of clinical practice and decision-making raised by participants, the main researcher (OT) co-created the data and ensuing analysis through an interactive process, and developed an "interpretive portrayal" (Charmaz, 2006, p. 10) of participants’ views, perceptions and experiences.

2.2. Participants

Twelve UK registered osteopaths took part in this study. Recruitment adverts placed in osteopathic educational institutions (OEIs) and the osteopathic press nationally, invited practitioners to contact OT should they wish to take part in the study. Upon initial contact, practitioners were provided with information and given the opportunity to ask any questions regarding the study. Having then expressed a wish to participate, details of practitioners’ professional background (e.g. teaching/clinical experience, education, interests/specialties) were obtained and a list of potential participants was compiled. From this list, purposive sampling initially selected practitioners with a minimum of five years clinical experience, and currently held positions as clinical educators at an OEI. Clinical educators were expected to effectively communicate and verbalise their decision-making processes (Ajiawi and Higgs, 2008), enabling ‘thick’ data to be generated and enhance the credibility of the research findings (Lincoln and Guba, 1985). Subsequent theoretical sampling (Charmaz, 2006), informed by data analysis, led to specific participants being re-interviewed as well as additional participants being sampled who were not involved with osteopathic education. Table 1 provides participants’ biographical information.

Each practitioner gave informed consent before participating. All patients gave informed consent before commencing each observation session.

2.3. Data collection and analysis

Inline with the iterative nature of grounded theory, data collection and analysis occurred concurrently (Charmaz, 2006). A total of seventeen semi-structured interviews were transcribed verbatim, read/re-read and analysed throughout the course of the study. During the data collection process, the interview guide became progressively focused so that concepts constructed from data analysis could be pursued and ideas explored (Table 2). Data was initially collected from interviews with nine participants (P169). Three participants (P669) were theoretically sampled and re-interviewed as they each exhibited strong characteristics of the therapeutic approaches which were developing from analysis. As the study approached theoretical sufficiency (Charmaz, 2006), a further three participants (P1012) were observed and video-recorded during a patient appointment, which was followed by a video-prompted reflective interview (Haw and Hadfield, 2011).

Non-participant observations of ‘real-life’ patient appointments enabled the researcher to compare the similarities and differences between the ‘espoused theory’ generated during interviews with ‘theory-in-action’ (Argyris and Schön, 1974). An observation guide (Table 2) enabled OT to make theoretical connections between what previous participants had said during interviews with what was observed during clinical sessions, providing further analytical insights. The video-recording deepened participants reflection during interviews, helping to ensure discussion were closely tied to participants’ actions and decisions, which took place during the clinical appointment (Haw and Hadfield, 2011). Towards the end of the study two participants (P1,10) were theoretically sampled and re-interviewed to explore and test out the proposed core category of ‘conception of practice’ (Fish and Coles, 1998) and further develop the theory. The major analytical processes used were:

2.3.1. Coding

The active construction of codes during analysis formed a link between data collection and development of the theory and helped explain and understand conceptual recurrences and patterns in the data (Birks and Mills, 2011). During the early stages of analysis initial line-by-line coding (Charmaz, 2006) was employed to define actions or events of a given situation. Focused coding, was then used to assess which codes appeared to be the most significant (Charmaz, 2006). This led to the development of new focused codes which were used to analyse larger segments of data. This process elevated the level of conceptual analysis so that broader categories could be developed.

2.3.2. Constant comparative analysis

This involved comparing data with data, data with category, category with category (Charmaz, 2006). Constant comparison was used throughout data analysis, from initial coding to advanced levels of analysis when writing up the findings.
Table 2

Interview guides for initial, video-prompted reflective and theoretically sampled participant interviews.

<table>
<thead>
<tr>
<th>Observation guide</th>
<th>Description</th>
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<tbody>
<tr>
<td>Initial interview guide</td>
<td>Imagine we are in your clinic, and you are about to see a new patient. Let’s say it’s a patient with back pain. Take me through your thinking process, as you work out what’s wrong with this patient. Could you describe how you would structure an examination plan with a patient? How do you structure a treatment plan for a new/returning patient? Tell me how you go about deciding on what treatment approaches/techniques to use with your patients. Are there any aspects of clinical reasoning do you feel are distinct or unique to osteopathy? Why? Tell me what role (if at all) osteopathic philosophy/principles play in your decision-making/clinical reasoning. Opening questions e.g. “can you share your thoughts on that clinical experience?” What were your initial aims with your patient? Why? How did you intend to meet those aims? Could you comment on the information gathered from that action (e.g. patient discussion or treatment, examination procedure) What are your feelings and thoughts about the patient at this time? Through the course of treating this patient, did you come to see their situation in a different way? How? How did you decide to examine the patient in that way? What were you thinking when you were carrying out that action (e.g. examination or treatment procedure)? What are your overall thoughts about the information you have obtained from this part of the examination? How do you think you can help this patient? Where did you focus your treatment approach? Why, can you tell me a little bit more? Theoretically sampled How do you see the patient’s role in your relationship? Why? Are there any exceptions? What does it mean to “have a partnership” with a patient? How do you perceive your role with patients? Why? Exceptions? What do you mean by (observe, palpate, talking etc.) Why is this important/how does that help you? Some participants have talked about treating the patient as an individual and having to adapt to them: can you tell me what does this mean to and for you? Can you think of any times when you have had to change your treatment approach?</td>
</tr>
</tbody>
</table>

2.3.3. Memo-writing

Memo-writing throughout the data collection, coding and categorisation processes encouraged critical reflexivity, and helped link data-gathering with analysis. Memo-writing enabled the identification of codes, patterns and relationships in the data so that codes could be defined and grouped to form categories with an increasing level of conceptual abstraction. Identifying the characteristics and properties of categories helped give them shape and multidimensionality. Importantly, developing properties of categories though memo-writing, facilitated the identification of gaps in the developing theory, which informed further data analysis and theoretical sampling (Charmaz, 2006).

2.4. Trustworthiness

A prolonged engagement with the data (three years) and repeated interactions and interviews with participants contributed towards the credibility of this research (Lincoln and Guba, 1985). The researcher was an osteopath with clinical experience and knowledge and pre-existing awareness/knowledge of five of the twelve participants. During data collection, OT actively sought to develop a trustful researcher-participant relationship, which facilitated participants’ sharing of their views and experiences of clinical practice. These strategies helped to offset participant bias and enhance data credibility.

A process of ‘member-checking’ (Bryman, 2008) was used: all participants were asked to read their interview transcript to check for accuracy, and were encouraged to add further comments that they felt necessary.

Finally, throughout the study, OT maintained a critically reflexive stance, wrote copious field notes, memos and kept a reflexive diary. These methods of reflexivity aimed to offset researcher bias and meant that any feelings, assumptions or analytical thoughts that arose could be put into writing then tested and checked out with the data (Cuttcliffe, 2003).

3. Findings

The clinical decision-making and therapeutic approaches of the osteopaths in this study are illustrated fully in the explanatory model (Fig. 1). Analysis of data generated during interviews with participants and observation of their clinical practice resulted in the construction of six major categories, these were participants’:

- view of osteopathy
- interaction with patients and interpretation of cues
- approach to clinical decision-making and level of patient involvement
- therapeutic goal
- conception of practice
- therapeutic approach

Each category is presented in turn and supported by quotations from participants’ interview data. A more detailed discussion of the findings can be found elsewhere (Thomson, 2013).

3.1. View of osteopathy

There was variation in how participants described their practise of osteopathy. For several participants (P1,2,5,8,11,12) the central feature of osteopathy was their application of specific osteopathic theories, knowledge and hands-on skills, suggesting a practitioner-centred view of osteopathy:

You need to keep pure to osteopathic philosophy, [and] the principles of osteopathy make me do what I do.

ee(P1)

Others valued working with patients so that decisions were made together (P3,4,7). These participants emphasised collaboration and partnership with patients, respecting them as equals:

I don’t cure patients. Together we work out how come to a better state of health.

ee(P9)
Finally, some participants viewed osteopathy as a means by which they could facilitate patient empowerment (P6,9,10). These participants could not separate patient empowerment from their practise of osteopathy, and facilitating patient learning was central to their treatment and management interventions:

*I really believe in patient autonomy. I think patients are responsible for themselves... it gives them control.*

*ee(P6)*

3.2. Interacting with patients and interpreting cues

During clinical procedures (e.g. clinical assessment), participants’ focus of interaction with patients, and the cues generated and interpreted from this interaction varied. Body-focused interaction enabled some participants (P1,2,5,8,11,12) to obtain knowledge and understanding of patients’ bodies and physical problems:

*I use my palpation to assess and let the body tell me what it wants me to do, and will permit me to do.*

*ee(P1)*

*As I watched the active shoulder movements I’m looking at areas of his back which are most restricted.*

*ee(P11)*

*I like spending time talking to the person about what’s going on and how it’s impacting them.*

*ee(P7)*

We take time to sit down, talk and make sure that he understands what’s going on and what he can and can’t do to improve it.

*ee(P10)*

The first two quotes suggest a body-focused interaction where the clinical gaze was fixed upon the biomechanical and physical characteristics of patients’ bodies (P1,2,5,8,11,12). Moving, touching and observing the body was central in acquiring cues.

The third quote suggests a person-focused interaction which involved talking and listening, to construct knowledge of the patient as a person. These participants (P3,4,7) focused their interaction on patients’ personal experiences of pain and dysfunction.

The final quote suggests a patient-focused interaction where talking and listening enabled the participant to learn from patients. These participants (P6,9,10) tended to explore patients’ day-to-day function, their preferences of treatment and management interventions.

3.3. Approach to clinical decision-making and level of patient involvement

There was variation in the level of patient involvement in treatment and management strategies which was related to participants’ approaches to clinical decision-making and therapeutic goals (Fig. 2). The three different approaches to clinical decision-making were: practitioner-led (low-level of patient involvement), shared (equal-level of patient involvement) and patient-led (high-level of patient involvement).

Participants taking a practitioner-led approach to decision-making emphasised a low-level of patient involvement (P1,2,5,8,11,12). They led the clinical decision-making and tended not to encourage active patient involvement and input:

*I’ll determine what [treatment] techniques I think the patient needs.*

*ee(P2)*
3.4. Therapeutic goal

Participants expressed a range of therapeutic goals which were related to their approach to clinical decision-making and level of patient involvement (Fig. 2). Several participants (P1,2,5,8,11,12) emphasised goals orientated towards them taking control and responsibility of patients’ problems, and encouraging patient passivity:

...treatment is a time for patients to relax...[and] to have the treatment.

pee(P1)

Other participants aimed to guide patients towards their personal goals (P3,4,7). This meant at times, participants would lead decision-making, but at other times they encouraged patients to adopt more active approaches:

I’ll take time to discuss what the options are with patients, I’ll say, “this is what I can do and this is what you can do”.

pee(P7)

Whereas other participants (P6,9,10) emphasised the importance of patients to control the possible directions that treatment and management could take. These participants aimed to facilitate learning and control with patients:

I always try and empower my patients...to feel in control.

pee(P9)

3.5. Conception of practice

Conception of practice was considered to be how participants viewed the nature of their practice and this was closely associated with their views on the nature of knowledge associated with their practice; this has been explicated by various authors (Schön, 1987; Fish, 1998: Fish and Coles, 1998) in relation to technical rationality and professional artistry. Conception of practice was selected as the core category of the explanatory theory, as it helped to organise the categories into a process and explained the variations in the data (Charmaz, 2006). It is explored in detail elsewhere (Thomson, 2013; Thomson et al., 2013). Participants that conceived practice as technical rationality (P1,2,5,8,11,12) considered practice as involving the straightforward application of propositional knowledge:

...my practice is based on genuine biomechanical principles...(and) manual provocation techniques to reproduce patients’ symptoms.

pee(P5)

They sought to establish cause-effect relationships and emphasised technical expertise and hands-on skills during clinical practice:

If the patient was complaining of posterior thigh pain, I want to determine what I think the structure is and where it’s being compromised.

pee(P8)

Whereas, those participants that conceived practice as professional artistry (P3,4,6,7,9,10) viewed practice as complex, dynamic and appreciated different sources and forms of knowledge, which were blended together to guide clinical action:

I put all of the information obtained from the examination with patient expectation, the relationship that I have with them and I draw on all of it to point us in the right direction.

pee(P10)

Five factors were identified which influenced participants’ conception of practice, and help to explain their therapeutic approach and clinical decision-making (Table 4).

3.6. Therapeutic approach

Three theoretical models of therapeutic approaches characterised study participants and their clinical practice. This is not to suggest that all participants fitted distinctly in each model, rather it offers a broad differentiation of participants’ therapeutic approach to allow for theoretical comparison. Fig. 3 illustrates the continuum of conception of practice and its relationship with participants’ therapeutic approaches, level of patient involvement and approach to clinical decision-making.

3.6.1. The Treater

Treaters (P1,2,5,8,11,12) had a view of osteopathy which was practitioner-centred, and they relied upon their application of specialised osteopathic skills, technical expertise and knowledge to diagnose, treat and manage patients. They appeared less flexible in their clinical approach, and felt that the application of traditional osteopathic theories and concepts was central to their practice, and was important to distinguish them from other healthcare professionals. They focused on patients’ physical and biological dysfunction and how they could correct these through hands-on treatment:

My primary aim is to treat, rather than ‘let’s sit down and discuss your problem and see what we can do about it’.

pee(P1)
Table 4
Factors and properties which influenced participants’ conception of practice.

<table>
<thead>
<tr>
<th>Influencing factor</th>
<th>Technical rationality</th>
<th>Professional artistry</th>
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</thead>
<tbody>
<tr>
<td>Educational experience</td>
<td>Teacher-centred, uncritically accepting knowledge</td>
<td>Student-centred, critically constructing knowledge</td>
</tr>
<tr>
<td></td>
<td>I still use the principles that I was taught as a student and they are still very relevant to me. (P3)</td>
<td>Things more and reject those fads and formulate your own ideas about osteopathy. (P3)</td>
</tr>
<tr>
<td>View of health and disease</td>
<td>Biomedical: reduce patients’ problem in the context of their lives and their illness experience</td>
<td>I like to see the other factors that would be influencing the way that they (the patient) experience their problems...it gives you a much rounder picture of the person you’re treating. (P6)</td>
</tr>
<tr>
<td>Epistemology of practice/knowledge</td>
<td>Positivist-post-positivist: Focused on cause-effect relationships, knowledge is stable and factual</td>
<td>Constructionist: listening and using language to develop an understanding of how patients’ made sense of their problem</td>
</tr>
<tr>
<td></td>
<td>If somebody’s got left-sided hip back pain and their feet tilts down to the right then the structures will be more compressed on that left side. (P9)</td>
<td>I seem to talk so much to patients, as I find that talking opens up a deeper level of understanding for them and me. (P9)</td>
</tr>
<tr>
<td>Theory-practice relationship</td>
<td>Theories applied to practice: View theory as separate from practice, apply existing theories (biomechanical and osteopathic theories) to practice.</td>
<td>Theories developed from practice: Though learning from, and reflecting on, practice they would develop their own personalised theories and practice models.</td>
</tr>
<tr>
<td></td>
<td>...my practice is based on genuine biomechanical stuff (theories). (P5)</td>
<td>I’m getting away from “I’ve got to get my hands on and get them better” to “right, this is the situation and this is how we can approach it; it’s your decision, what would you like to do?” So my approach has become much more collaborative. (P6)</td>
</tr>
<tr>
<td>Practitioner’s perceived therapeutic role</td>
<td>Paternalism: assuming responsibility for the decision making I am trying to get a little bit of mobility for him. To increase that range of motion for him, so that does not hold on to the joint so that he actually lets go of it. (P11)</td>
<td>Patient autonomy: Patient as an active partner, views, knowledge and expectations exchanged and decisions negotiated By giving patients choice it treats them as an adult and gives them the autonomy. (P6)</td>
</tr>
</tbody>
</table>

Treaters analysed patients’ bodies and tissues, and in combination with their osteopathic knowledge and technical expertise, they diagnosed and led the decision-making based on logical connections between anatomy, physiology and biomechanics. In this sense, Treaters conceived practice as technical rationality.

3.6.2. The Communicator

For Communicators (P3,4,7) collaboration and partnership formed the foundations of their view of osteopathy. They respected patients as equals, viewing them as individuals. Communicators focused on language and dialogue to encourage patients to verbalise their feelings and experiences about their problem. They placed significant value on developing and nurturing an equal relationship with their patients. Through talking and listening, Communicators conceived practice as professional artistry, and relied upon their interpersonal skills to interact and engage patients and help guide their clinical decision-making and professional judgements:

I would judge treatment by how I relate to the patient personally.

pee(P3)

Communicators shared the responsibility of clinical decision-making with their patients, resulting in treatment and management decisions being mutually negotiated.

3.6.3. The Educator

Educators (P6,9,10) worked with patients to develop the skills to self-manage their health issue, looking to facilitate empowerment. They focused on teaching and motivating patients to enable them to manage their own pain and dysfunction. Educators emphasised listening and learning from their patients, and they were focused on building an understanding of patients’ problems and how it impacted their function in day-to-day life so that patient-specific treatment plans could be developed:

I see the patient as an individual who owns their own body and can make decisions about it.

pee(P9)

Educators saw their role to encourage, teach, and exchange knowledge so that patients were active and informed decision-makers about their treatment and management. By learning from their patients and their practice they developed their own personal theories of practice and treatment approaches, which were facilitated by their professional artistry conception of practice.

4. Discussion

The findings from this study suggest that participants held differing views of the purpose and practise of osteopathy. How these views and assumptions of osteopathy were enacted, shaped...
practitioners’ clinical actions, decisions and resulted in different therapeutic approaches to practice (Trede and Higgs, 2008). The findings that there is diversity in how practitioners identify with their profession and their conceptions of being a professional is consistent with research in physiotherapy (Öhman and Hägg, 1998: Richardson et al., 2002; Lindquist et al., 2006).

This study found that differences in therapeutic approach led to variation in the focus of participants’ interaction with their patients and the cues they generated and interpreted. Practitioners’ conceptions of practice (Fish and Coles, 1998) and the assumptions and beliefs that they hold about the body (Thornquist, 1994, 2006) influence what they ‘see’, how they see ‘it’ and their resulting decision-making and action. While all participants’ assessment of their patients involved case-history taking and clinical examination, there was variation in their “gaze” (Thornquist, 1994, p. 9) during these clinical procedures. This resulted in diversity regarding what clinical information participants found relevant, and where and how they focused their interaction with patients to generate cues.

The findings suggest that clinical decision-making in osteopathy occurs with varying levels of patient involvement and is related to practitioners’ therapeutic approach. Participants characterised as Treater-adopted practitioner-led approaches to clinical decision-making. This approach was associated with minimal patient involvement, and is consistent with ‘paternalistic’ models of decision-making (Emanuel and Emanuel, 1992). The determination of these participants to obtain information from the patient’s body through skilled physical analysis and examination placed little priority on exchanging or sharing information with patients, implying an ‘all-knowing’ practitioner (Emanuel and Emanuel, 1992). Whilst the hands-on skills and technical expertise of osteopaths may lead to high degrees of patient satisfaction, an approach which promotes patient passivity may encourage patients to adopt a ‘sick role’, and risk them becoming dependant on passive manual therapy treatment (Beisecker and Beisecker, 1993). An approach to decision-making which fails to consider patients’ perceptions and expectations may not help develop a patient’s sense of control over their problem (Klaber Moffett and Richardson, 1997) and miss a valuable opportunity to enhance their self-efficacy (Bandura, 1982).

Patients’ illness perceptions, self-efficacy beliefs and catastrophising of their symptoms, have been identified as psychological obstacles to recovery of low back pain (Foster et al., 2016; Grotle et al., 2010): therefore osteopaths should endeavour to acknowledge these factors and facilitate their exploration in relation to their patients.

The findings indicate that participants characterised as Communicators shared their clinical decision-making with patients and encouraged an equal-level of patient involvement. This is consistent with shared models of decision-making in the medical literature (Ballard-Reisch, 1996: Charles et al., 1999) and with research in musculoskeletal physiotherapy (Jensen et al., 2006; Edwards et al., 2004). Sharing clinical decisions emphasises patients as active partners, and involves both individuals contributing knowledge and skills so that decisions can be mutually negotiated together (Charles et al., 1999).

Participants who were characterised at Educators adopted a patient-led approach to clinical decision-making and advocated high-levels of patient involvement, analogous to the ‘informed choice’ (Gafni et al., 1998) and ‘consumerism’ models of decision-making (Emanuel and Emanuel, 1992). These participants encouraged patients to express their own views on their problem and preferences for possible treatment options, thereby providing a channel for patients to exercise control, thus facilitate empowerment (Ramsay Wan et al., 2012), and enhance self-efficacy (Bandura, 1982).

The finding that some practitioners adopt practitioner-centred approaches may not be congruent with shared models of decision-making promoted by the osteopathic regulator (GOsC, 2012a) and more widely by the NHS (DoH, 2012). Active patient involvement in decision-making is now widely considered fundamental (Charles et al., 1997; Entwistle and Watt, 2006; DoH, 2012) and is harmonious with conceptions of patient-centred care (Mead and Bower, 2000; Stewart, 2001). As almost 90% of patients self-fund their osteopathic services (GOsC, 2012c), practitioners may consider that a paternalistic approach to care, best-serves their ‘customer’. However, if some osteopaths are not promoting shared models of decision-making in their private practice, then this may present difficulties for future opportunities of integration and collaboration within the public healthcare sector, where shared models of decision-making are currently promoted (DoH, 2012).

4.1. Study limitations

The explanatory theory developed from this study provides the first research-based model of clinical decision-making and therapeutic approaches in osteopathy. The findings offer a number of theoretical insights into the clinical practice of osteopaths which may have value to practitioners and educators of osteopathy and different manual therapy professions. However, the reader is reminded that the researcher co-constructed and co-created the findings from this study with a sample of privately practicing experienced osteopaths in the UK. Further research is necessary to establish the ‘reach’ of the substantive theory for example with osteopaths in other countries, practitioners and with less experience.

5. Conclusion

Experienced osteopaths in this study adopted a variety of therapeutic approaches in their clinical practice which influenced their interaction with patients, clinical decision-making, level of patient involvement and therapeutic goal. Participants’ therapeutic approaches flowed from how they conceived their practice. Participants’ overall conception of practice lay on a continuum, from technical rationality to professional artistry. A number of factors were identified which influenced practitioners’ conception of practice and help explain their therapeutic approach and clinical decision-making. This study offers the first explanatory theory of the clinical decision-making and therapeutic approaches of osteopaths.

Ethical approval

Ethical approval was granted by the research ethics committees at the University of Brighton and the British College of Osteopathic Medicine.

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