Psychological Safety and Affective Commitment Among Chinese Hospital Staff: The Mediating Roles of Job Satisfaction and Job Burnout

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Purpose: The affective commitment of hospital staff is important for human resources management and the sustainable development of hospitals. Psychological safety is an important factor that contributes to an emotional connection to an organization among staff, yet its functional mechanism remains unclear. This study explored how psychological safety influenced affective commitment through the mediating roles of job satisfaction and job burnout.

Methods: A battery of surveys were administered to all medical staff (n = 267) in a local second-grade comprehensive hospital. The surveys included the Psychological Safety Scale, Affective Commitment Scale, Minnesota Satisfaction Questionnaire, Maslach Burnout Inventory–Human Service Survey, and Perceived Organizational Support Scale.

Results: Job satisfaction and job burnout fully mediated the relationship between psychological safety and affective commitment among hospital staff. In addition, perceived organizational support moderated the mediating path via job burnout, and the indirect effect of job burnout decreased when perceived organizational support increased.

Conclusion: Psychological safety may enhance the affective commitment of hospital staff through improving job satisfaction or reducing job burnout. Perceived organizational support may counteract the deleterious effect of job burnout on affective commitment. Effective strategies to improve affective commitment among hospital staff may require consideration of job burnout and job satisfaction.

Keywords: psychological safety, affective commitment, job burnout, job satisfaction, hospital management

Introduction

Human resources are essential for the survival and sustainable development of modern organizations. Organizational commitment is a crucial factor that drives talents to serve their organizations for the long term. Affective commitment is a form of organizational commitment that refers to employees’ emotional dependence on, identification with, and involvement in an organization.1 Compared with normative commitment and continuous commitment, which are two other forms of organizational commitment, affective commitment reflects a real attitude toward the organization because of its emotional nature.2 Compared with employees with low affective commitment, those with high affective commitment have a strong sense of belonging and low turnover intention and behaviors,2,3 display more willingness to perform organizational citizenship behaviors,4,5 and are more dedicated to making efforts to serve the organization.3

Affective commitment is especially important in medical settings where high knowledge and skills are required. The sense of belonging also boosts resilience among medical staff and improves their overall well-being.6 Affective commitment among medical staff is also important as it can positively predict patient experience, nursing quality, and patient safety culture.4,7 Hospitals usually invest large amounts of resources in training to build professional skills and knowledge among medical staff. As a result, medical staff become more marketable and more committed to the medical profession.8 However, professional commitment does not necessarily equate to organizational commitment.9,10 The disparity between professional
commitment and organizational commitment creates a paradox where those who benefit more from training may have a higher possibility of turnover because of high job marketability and low affective commitment.8,11

Previous research showed that the antecedents of affective commitment included transformational leadership, role ambiguity, and individual differences.9 The present investigation focused on psychological safety, which is an affectively sensitive feature of organizational atmosphere. This is also important in the healthcare field as medical staff often work in teams that benefit from a psychologically safe atmosphere. Most previous studies on psychological safety and affective commitment focused on the direct association between the two constructs.12,13 However, the specific underlying mechanism(s) remain unclear. (High) job satisfaction and (low) job burnout are considered critical features associated with affective commitment, especially in medical settings; therefore, this study investigated whether these two features explained the linkage between psychological safety and affective commitment. The hypotheses proposed are as follows.

Theoretical Background and Hypotheses

From Psychological Safety to Affective Commitment

Affective commitment can be predicted by both personal (such as seniority and education) and organizational (such as organizational culture and leadership integrity) factors.1 Psychological safety is an organizational factor that is defined as a shared belief that it is safe to take interpersonal risks in the organization.14 Previous studies found that employees with high psychological safety felt supported by their organization and were willing to express themselves, which contributed to their commitment.15 A positive association between psychological safety and affective commitment was also found in medical settings.16 Corroborating social exchange processes,17 a psychologically safe atmosphere promotes a flexible working environment characterized by safety, mutual trust, and respect.18 This leads to better performance and pleasant experiences and reduces the distress caused by medical errors or adverse patient outcomes (such as anxiety and burnout).19 Conversely, a psychologically unsafe working environment reduces mutual trust and means employees must cope with anxiety and pressure on their own,12 thereby limiting pleasant emotional experiences and compromising affective bonds with the organization. Therefore, we hypothesized that psychological safety would positively contribute to affective commitment (H1).

Job Satisfaction as an Enabling Mediator

Job satisfaction reflects employees’ feelings about their jobs.21 Empirical researches suggested that job satisfaction may mediate the effect of psychological safety on affective commitment. A psychologically safe work atmosphere reduces work-related anxiety and stress, and grants opportunities for skill development and performance improvement,22 which results in higher job satisfaction (path H2a). Such an atmosphere is especially important in medical settings with high requirements for professional knowledge and low fault tolerance rates. For example, research demonstrated that physicians who felt more psychologically safe reported harmonious relationships and effective communication with colleagues.23 Another study found that psychological safety in medical settings encouraged discussion of errors and offering suggestions without fear of negative consequences.24 In addition, previous studies noted that job satisfaction was fundamental to affective commitment both within and beyond medical settings,3,25,26 (path H2b). Employees with high job satisfaction are more likely to have positive attitudes and a strong sense of identity and belonging to their organizations than those with low satisfaction.11 A positive and satisfying work experience also implies that employees’ ex-ante job expectations are met or exceeded, and these fulfilled expectations contribute to employees’ commitment.27 Previous studies confirmed that nurses with high job satisfaction reported strong affective commitment to their hospital.28,29 Conversely, employees who were dissatisfied with their jobs were likely to become emotionally disconnected from their organizations.30 Therefore, we hypothesized that job satisfaction would mediate the effect of psychological safety on affective commitment, with increased psychological safety eliciting job satisfaction, which in turn improves affective commitment (H2).

Job Burnout as an Inhibiting Mediator

Job burnout refers to employees’ stress and psychological reactions to work pressure.30 Burnout is commonly defined as a three-component concept including emotional exhaustion, depersonalization, and diminished personal accomplishment.31
Severe job burnout is common in healthcare settings as a result of excessive workload, high demand for physicians, risky working environment, and poor doctor-patient relationships. Previous research suggested that psychological safety could reduce employee’s job burnout (path H3a). A possible reason for this is that psychological conditions may be seen as a reflection of the work environment. Employees that perceived low psychological safety were reported to be prone to negative emotions such as burnout. Another possible reason is that psychological safety may contribute to coordination and cooperation through tacit teamwork and peer communication, which reduces the anxiety and pressure that usually lead to job burnout. Finally, the familiarity brought about by psychological safety may promote a sense of a family-like work environment, improve employees’ social adaptability, and ultimately help employees combat burnout. Previous studies also revealed that job burnout could reduce organizational commitment among medical staff (path H3b). The conservation of resources (COR) theory has been widely applied in job burnout research, and related to loss of organizational and human resources. COR theory proposes that human beings are motivated to protect their existing resources and obtain new resources. Therefore, individuals with limited resources tend to save energy, time, and emotion to avoid the loss of these resources. Withdrawal as a coping mechanism for job burnout resembles the conservation process of exhausted affective resources. Employees may disengage and reduce their affective commitment to their organization to prevent further loss of resources. Alarcon et al’s study also suggested that employees’ commitment deteriorated when job burnout occurred, especially emotional exhaustion and depersonalization, as job burnout and organizational commitment were both affective-oriented constructs. Therefore, we hypothesized that job burnout would mediate the effect of psychological safety on affective commitment; that is, increased psychological safety would inhibit job burnout, thereby enhancing affective commitment (H3).

Moderating Role of Perceived Organizational Support
Medical work is characterized by high risk and heavy workloads, which makes external support important for hospital staff when they experience stress. Perceived organizational support (POS) is defined as the extent to which employees believe that their organization values their contributions, cares for their well-being, and accommodates their social and emotional needs. The mediating role of burnout may be conditional on POS given that the former reflects typical work-related stress. From the perspective of COR theory, resource gain increases in salience in the context of resource loss. Hobfoll suggested that social support can expand one’s resource pool and replace other scarce resources. For employees experiencing job burnout, POS can help supplement resources consumed and avoid resource loss, thereby ameliorating the harmful effects of negative emotions and preserving employees’ connection to their organization. Conversely, employees with low POS are particularly vulnerable to the harmful effects of job burnout, and are more likely to experience decline in their emotional connection with their organization. Therefore, we hypothesized that POS may buffer job burnout because of the lack of psychological safety. Consequently, the detrimental effect of job burnout on affective commitment is mitigated. Specifically, our hypothesis was that the effect of job burnout on affective commitment is moderated by perceived organizational support meaning that the effect is weaker with a high level of perceived organizational support (H4).

The Present Study
The purpose of this study was to explore how psychological safety influenced affective commitment through the mediating roles of job satisfaction and job burnout, and clarify the moderating role of perceived organizational support. Our proposed model is summarized in Figure 1. The findings will enrich relevant theory and provide a new perspective for hospital management. A cross-sectional survey was administered to all staff at a local second-grade comprehensive hospital.

Method
Participants and Procedures
This study was conducted in a second-grade comprehensive hospital in Jiangsu, China. This hospital is representative of typical comprehensive hospitals in China as it includes various clinical, medical technology, and functional departments. Research ethics approval was obtained from Shanghai Jiao Tong University School of Medicine (SJUPN-202104). Hospital officials were contacted in advance to confirm research approval and coordinate sampling procedures. An anonymous link to an online survey was then distributed to all hospital staff (n = 334) in September 2021. Consent to
participate was collected before participants responded to the survey. The survey could be completed within 30 minutes without disruption. In total, 267 valid responses (response rate 79.94%) were received from 85 (31.84%) male and 182 female staff. Of the sample for analysis, 88 (32.96%) were doctors, 110 (41.20%) were nurses, 41 (15.36%) were medical technicians, and 28 (10.49%) were administrative staff. The sample characteristics are presented in Table 1.

**Measures**

The scales selected to measure psychological safety, affective commitment, job burnout, job satisfaction and perceived organizational support in this study were all widely used maturity scales with good reliability and validity and were considered suitable for the participants. The original English language scales were translated into Chinese following the standard translation and back translation procedure. Rewording of items was applied to fit Chinese medical settings as necessary. Content and construct validity tests were performed for all translated scales and some items were deleted for unsatisfactory factor loading (for example, “I do not feel a strong sense of ‘belonging’ to my organization” from the

![Image of the hypothesized model]

*Figure 1* The hypothesized model.

<table>
<thead>
<tr>
<th>Variables</th>
<th>Categories</th>
<th>Count</th>
<th>Percentage (%)</th>
</tr>
</thead>
<tbody>
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</tr>
<tr>
<td></td>
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<td></td>
<td>30–39</td>
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<td>≥ 40</td>
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<td>13.86</td>
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<td>High school</td>
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<td>1.12</td>
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<td></td>
<td>Junior college</td>
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<td>14.23</td>
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<tr>
<td></td>
<td>College</td>
<td>205</td>
<td>76.78</td>
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<td></td>
<td>Above college</td>
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<td>7.12</td>
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<tr>
<td>Occupation</td>
<td>Doctor</td>
<td>88</td>
<td>32.96</td>
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<tr>
<td></td>
<td>Nurse</td>
<td>110</td>
<td>41.20</td>
</tr>
<tr>
<td></td>
<td>Medical technician</td>
<td>41</td>
<td>15.36</td>
</tr>
<tr>
<td></td>
<td>Administrative staff</td>
<td>28</td>
<td>10.49</td>
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<tr>
<td>Annual income (RMB)</td>
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<td></td>
<td>&gt;100,000</td>
<td>162</td>
<td>60.67</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>267</td>
<td>100.00</td>
</tr>
</tbody>
</table>

*Table 1* Sample Characteristics (n = 267)
Affective Commitment Scale). For each construct, a composite score was created by averaging all scale items, with higher scores indicating higher levels of that construct.

**Psychological Safety**
Three items were adapted from Edmondson (1999) to measure psychological safety (for example, “If you make a mistake in your department, it is often held against you”; 1 = *very strongly disagree* to 7 = *very strongly agree*).14

**Affective Commitment**
Three items were adapted from Meyer (1993) to measure affective commitment (for example, “I would be very happy to spend the rest of my career with this hospital”; 1 = *very strongly disagree* to 7 = *very strongly agree*).47

**Job Satisfaction**
Thirteen items were adapted from the Minnesota Satisfaction Questionnaire to evaluate job satisfaction (for example, “The chance to do something that makes use of my abilities”; 1 = *strongly disagree* to 5 = *strongly agree*).48

**Job Burnout**
Thirteen items were adapted from the Maslach Burnout Inventory–Human Service Survey to measure job burnout (for example, “I feel depressed at work”; 1 = *never* to 7 = *every day*).49,50

**Perceived Organizational Support (POS)**
Eight items were adopted from Eisenberger’s Perceived Organizational Support Scale to measure perceived organizational support (for example, “My organization really cares about my well-being”; 1 = *very strongly disagree* to 7 = *very strongly agree*).42,51

Finally, participants were also asked to report their age, gender, marital status, education level, occupation, and annual income.

**Analytical Plan**
The psychometric properties of the selected scales were examined before hypothesis testing. Reliability was assessed via internal consistency with Cronbach’s alpha values greater than 0.70 considered satisfactory. Validity tests for all translated scales was performed in AMOS version 22.0 against pre-determined acceptable criteria: comparative fit index (CFI) > 0.90, Tucker-Lewis index (TLI) > 0.90, $\chi^2$/df < 3, root mean square error of approximation (RMSEA) < 0.08, and average variance extracted (AVE; which was expected to be larger than the correlation coefficients among the corresponding factors). Mediation and moderated mediation analyses were conducted with the SPSS PROCESS macro using 5000 bootstrapping, with age, gender, and annual income included as control variables. All continuous variables were mean-centered in the moderated mediation analysis. The Johnson–Neyman technique was used to identify the statistically significant region for the interaction effect concerning POS.53

**Results**
All scales exhibited acceptable reliability (Cronbach’s $\alpha$ > 0.696). Structural and discriminant validity (Supplementary Figure 1) were also examined. Satisfactory model fit ($\chi^2$(723) = 1.922, p < 0.001; CFI = 0.934; TLI = 0.929; RMSEA = 0.059) supported the conceptual distinctiveness among the five key constructs. Descriptive statistics, Cronbach’s alphas, bivariate correlations, and average variance extracted of the key constructs are presented in Table 2.

**Mediating Effects of Job Satisfaction and Job Burnout**
Results for the mediation analysis are reported in Table 3. Variance inflation factors were below 2.50 for all independent variables and showed no sign of multicollinearity. A full-mediation pattern was observed because the direct effect of psychological safety on affective commitment was statistically significant ($B_{\text{total effect}} = 0.546$, standard error [SE] = 0.052, $p < 0.001$, 95% confidence interval [CI] = 0.443–0.649), but after accounting for the indirect effects via job satisfaction ($B_{\text{indirect effect}} = 0.393$, $SE = 0.051$, 95% CI = 0.295–0.495) and job burnout ($B_{\text{indirect effect}} = 0.069$, $SE = 0.060$, 95% CI = 0.207–0.446), the direct effect was no longer significant ($B_{\text{Direct effect}} = 0.084$, $SE = 0.048$, $p = 0.082$, 95% CI =...
This implied that for every 1-unit increase in psychological safety, affective commitment was expected to increase by 0.393 units via (increased) job satisfaction and by 0.069 units via (decreased) job burnout. Therefore, hypotheses 1, 2, and 3 were supported. Figure 2 shows a summary of the regression results.

Moderation Effect of POS
We further analyzed the moderation effect of POS. The results (Table 4 and Figure 3) suggested that POS only significantly moderated the indirect effect from psychological safety to affective commitment via job burnout (index of moderated mediation = −0.047, SE = 0.022, 95% CI = −0.086 to −0.001). Although POS moderated the effect of job satisfaction on affective commitment (namely, path H2b; B = 0.165, SE = 0.073, p = 0.025, 95% CI = 0.021–0.308), it did not moderate the corresponding indirect effect (index of moderated mediation = 0.061, SE = 0.029, 95% CI = −0.004 to 0.110).

The Johnson–Neyman technique showed the threshold of the moderation effect of the POS score was 0.250 (Figure 4), below which the effect of job burnout on affective commitment was significant. Within this POS score range (−4.376 to 0.250), the conditional effect of job burnout on affective commitment decreased as POS increased (from −0.776 to −0.132), as did the corresponding indirect effect (from 0.044 to 0.026). We further decomposed this moderated mediation through simple slope analysis. For hospital staff that reported lower POS (namely, M − 1 standard deviation [SD]), lack of psychological safety contributed to higher job burnout, and consequently less affective commitment (B_{indirect effect} = 0.108, SE = 0.042, 95% CI = 0.029–0.194). However, this deleterious mediation effect was not observed for those who reported high POS (namely, M + 1 SD; B_{indirect effect} = 0.004, SE = 0.032, 95% CI = −0.053–0.073).

Discussion
This study found that job satisfaction and job burnout fully mediated the relationship between psychological safety and affective commitment; that is, psychological safety enhanced affective commitment through improving job satisfaction and reducing job burnout. This study also found that perceived organizational support moderated the mediating effect of job burnout between psychological safety and affective commitment, whereby high POS counteracted the deleterious effect of job burnout on affective commitment. However, POS did not moderate the path via job satisfaction.

Theoretical Implications
The present investigation contributed to healthcare management research in several ways. First, previous studies confirmed the positive correlation between psychological safety and affective commitment, but most empirical findings came from nursing staff. Our study investigated doctors, nurses, medical technicians, and administrative staff, and provided a comprehensive picture of human resources in medical settings (see Supplementary Tables 1 and 2 for multiple-group mediation analyses). Therefore, our study broadens the application of the effect of psychological safety on affective commitment and enriches the literature by providing a new perspective for hospitals to retain talent.

Second, although a positive correlation between psychological safety and affective commitment has been reported among employees in other industries, the underlying mechanism remains unclear. The medical industry is essentially a service
### Table 3 The Mediating Effects of Job Satisfaction and Job Burnout Between Psychological Safety and Affective Commitment

<table>
<thead>
<tr>
<th>Independent Variables</th>
<th>Model 1 (DV: Job Satisfaction)</th>
<th>Model 2 (DV: Job Burnout)</th>
<th>Model 3 (DV: Affective Commitment)</th>
<th>Model 4 (DV: Affective Commitment)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>B</td>
<td>SE</td>
<td>95% CI</td>
<td>B</td>
</tr>
<tr>
<td>Constant</td>
<td>1.847***</td>
<td>0.250</td>
<td>1.356~2.338</td>
<td>4.652***</td>
</tr>
<tr>
<td>Gender</td>
<td>0.071</td>
<td>0.073</td>
<td>0.073~0.215</td>
<td>−0.094</td>
</tr>
<tr>
<td>Age</td>
<td>0.005</td>
<td>0.006</td>
<td>−0.006~0.016</td>
<td>0.002</td>
</tr>
<tr>
<td>Annual income</td>
<td>−0.062</td>
<td>0.072</td>
<td>−0.203~0.079</td>
<td>0.076</td>
</tr>
<tr>
<td>Psychological safety</td>
<td>0.370***</td>
<td>0.029</td>
<td>0.313~0.427</td>
<td>−0.335***</td>
</tr>
<tr>
<td>Job burnout</td>
<td>−</td>
<td>−</td>
<td>−</td>
<td>−</td>
</tr>
<tr>
<td>Job satisfaction</td>
<td>−</td>
<td>−</td>
<td>−</td>
<td>0.297</td>
</tr>
<tr>
<td>( R^2 )</td>
<td>0.390</td>
<td>0.187</td>
<td>0.187</td>
<td>41.789***</td>
</tr>
</tbody>
</table>

**Notes:** n = 267. Gender: 0 = female, 1 = male. Annual income: 0 = annual income above 100,000 yuan, 1=annual income equal or below 100,000 yuan. **p < 0.01, ***p < 0.001.

**Abbreviations:** DV, dependent variable; SE, standard error.
Industry characterized by serious concerns about job satisfaction and job burnout. This study explored the mechanisms influencing the relationship between psychological safety and affective commitment from both the positive (namely, improving job satisfaction) and negative (namely, reducing job satisfaction) perspectives. The results revealed that job satisfaction and job burnout played separate and distinct mediating roles. Therefore, in addition to exploring promoting or inhibiting pathways in relevant topics, further studies should consider possible modes of both directions. Dawon Baik et al’s research focused on nurses also supported our results and suggested a supportive team atmosphere, such as sufficient psychological safety, could mitigate workplace frustration and make employees more satisfied with their jobs and more likely to stay in their jobs. Our findings also echo Hoff et al’s observation that workplaces in which physicians felt in control of their jobs without undue stress and were satisfied with their jobs were likely to gain enhanced commitment. As negative psychological processes often have stronger effects than positive ones, (reducing) job burnout offers a substantial way to counteract commitment issues induced by the lack of psychological safety.

Finally, this study found an important boundary condition in the impact of psychological safety on affective commitment. Our results suggested that external organizational support can mitigate the negative effect of job burnout on affective commitment, which empirically extends the COR theory such that the access to additional resources can make up for the loss of resources. Employees from collectivistic cultures such as China are more likely to take advantage of POS to buffer job-relevant stress through capitalizing on a series of positive emotional perceptions and

**Table 4 The Moderated Mediation Analysis**

<table>
<thead>
<tr>
<th>Independent Variables</th>
<th>Model 1 (DV: Job Satisfaction)</th>
<th>Model 2 (DV: Job Burnout)</th>
<th>Model 3 (DV: Affective Commitment)</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>B</td>
<td>SE</td>
<td>95% CI</td>
</tr>
<tr>
<td>Constant</td>
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<td>0.250</td>
<td>-2.576~-1.593</td>
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<td>Gender</td>
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<td>Age</td>
<td>0.005</td>
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<td>-0.006~0.016</td>
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<td>Annual income</td>
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<td>-0.203~0.079</td>
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<td>Psychological safety</td>
<td>0.370***</td>
<td>0.029</td>
<td>0.313~0.427</td>
</tr>
<tr>
<td>Job satisfaction</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Job burnout</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>POS</td>
<td>-</td>
<td>-</td>
<td>-</td>
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<tr>
<td>Job satisfaction × POS</td>
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<td>-</td>
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<tr>
<td>Job burnout × POS</td>
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<td>-</td>
<td>-</td>
</tr>
<tr>
<td>R²</td>
<td>0.390</td>
<td>0.187</td>
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</table>

**Notes:** n=267. Gender: 0 = female, 1 = male. Annual income: 0 = annual income above 100,000 yuan, 1=annual income equal or below 100,000 yuan. *p < 0.05, **p < 0.01, ***p < 0.001.

**Abbreviations:** DV, dependent variable; SE, standard error; POS, perceived organizational support.
experiences in the workplace to supplement depleted emotional resources and maintain affective commitment. Chinese hospitals have been experiencing low doctor-patient ratios, poor doctor-patient relationships, and excessive work hours for many years. POS plays an important role in alleviating the negative impact of job burnout caused by low psychological safety for hospital employees and helping them develop a sense of belonging and increased affective commitment by satisfying their social emotional needs.

**Practical Implications**

Previous studies concluded that high levels of organizational commitment among physicians, especially affective commitment, were associated with favorable outcomes such as improved care quality and productive work
behaviors. A general perception, at least in China, is that medical staff are relatively more committed to their institutions and less frequently switch institutions, compared to other service industries. However, our results suggested that staff turnover could be high if medical staff’s affective commitment was at risk due to (low) job satisfaction or (high) job burnout. Special attentions should be warranted to cases where healthcare workload increases in various emergencies, such as the current pandemic situation to avoid talent drain. Our results provided insights for improving the affective commitment among hospital employees.

First, this study demonstrated psychological safety had a positive effect on affective commitment. In particular, when employees have low POS, enhancing psychological safety is important to increase affective commitment by reducing job burnout. Hospitals can implement measures such as applying people-oriented management, creating a collaborative work atmosphere, and establishing verbal encouragement mechanisms to improve employees’ psychological safety and ultimately improve employees’ affective commitment.

However, psychological safety is not always granted in hospitals given the fixed professional hierarchy and low fault tolerance. As our results suggested, alternatively, hospitals can consider increasing job satisfaction and/or decreasing job burnout. On one hand, hospitals could attach more importance to the welfare of hospital staff and implement reasonable merit-based incentive systems. Meanwhile, employee’s professional development opportunities could be provided to help junior employees’ career development so they can realize their personal values and achievements and boost their job satisfaction. On the other hand, most job burnout interventions for healthcare teams aimed at individual-level factors (such as adjustment of work hours) and the application of new equipment and technologies. However, contagious negative affective states were somewhat neglected, and our results shed light on the particular role of organizational support in terms of limiting such harmful effect from job burnout. Hospitals may invest in emotional support, such as strengthening communication between employees and supervisors, to establish relationships with trust and support, and instrumental support, such as setting up family-friendly policies to help employees balance work-family conflicts.

Limitations
Our study was somewhat limited by its cross-sectional design. Such design precluded us from probing the causal relationship between job satisfaction, job burnout (namely, the mediators), and affective commitment (namely, the dependent variable). However, as the causal relationship could be reversed in realistic settings, our investigation emphasized the motivational essence of affective commitment and provided unique insights as to how modern hospitals could enhance affective commitment via the identified mechanisms to boost their employee’s positive attitude, and consequently, their dedication towards the organization.

Conclusion
To keep hospital employees emotionally attached and dedicated to the organization, this study revealed that psychological safety can boost affective commitment via (increasing) job satisfaction and (decreasing) job burnout. Furthermore, perceived organizational support could counteract the deleterious effect of job burnout on affective commitment. Our findings make significant contributions to healthcare management research and practice.

Data Sharing Statement
The datasets used or analyzed in this study are available from the corresponding author on reasonable request.

Ethics Approval and Informed Consent
Research ethics approval was obtained from Shanghai Jiao Tong University School of Medicine (SJUPN-202104). The procedures used in this study adhered to the tenets of the Declaration of Helsinki. All participants gave electronic informed consent before participating in the online questionnaire.

Consent for Publication
All authors agreed with the publication of this manuscript.
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Author Contributions
All authors made a significant contribution to the work reported, whether that is in the conception, study design, execution, acquisition of data, analysis and interpretation, or in all these areas; took part in drafting, revising or critically reviewing the article; gave final approval of the version to be published; have agreed on the journal to which the article has been submitted; and agree to be accountable for all aspects of the work. Jiahui Li and Sisi Li are Co-first authors.

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