Depression has been shown to have a greater detrimental effect on personal health [1] and costs more in care than other chronic diseases [2]. Depression also brings a risk of mortality that is similar to that from smoking, independently of other contributing factors such as blood pressure, alcohol intake, cholesterol and social status [3]. In fact, people who suffer from depression have a risk of dying from any cause that is nearly twice (1.86 times) that for non-depressed individuals, and nearly 3 million people die from depression annually [4]. Not surprisingly, these individual experiences accumulate to have detrimental effects at the societal or economic levels. For example, depression has been estimated to cost US$1 trillion globally each year from its effects upon families, workplaces and governments [5]. However, despite these individual and social/economic effects, less than 50% of sufferers receive treatment [5], and the current available treatments for depression are less than completely efficacious, with the standard pharmacological and psychological treatments most commonly prescribed for depression only providing relief in about 34% of cases, rising to about 74% when treatments are combined [6].

It has been suggested that the difficulty in finding a mainstream highly-efficacious treatment for depression is due to the heterogeneity of depression [7]. That is, applying the nine criteria and associated features set out for Major Depressive Disorder (MDD) in the Diagnostic and Statistical Manual of Mental Disorders (5th ed.) (DSM–5) [8], produces 1,497 different combinations of symptoms that qualify for the diagnosis of MDD [9]. Consequently, the need for more ‘individualised treatment’ models of depression diagnosis has been identified as crucial for reducing the damaging effects of depression upon individuals and societies [10,11]. One step towards such an individualised model of diagnosis and treatment of depression is the development of depression ‘subtypes’.

Some examples of depression subtyping have included grades of depression severity [12], groups of additional symptoms [13,14], genotyping [15], identification of clusters of specific MDD symptoms and events that may act via genetic and other physiological correlates to predict those symptom clusters [16,17], or via imaging phenotypes [18]. A recent attempt was made to formulate subtypes of depression...
on the basis of a combination of genetic, neurotransmitter, inflammation, and medication response indicators [19], but those authors commented that this process was yet to be realised. Another approach to subtyping depression has been based upon clustering of the clinical symptoms for MDD [20], both in terms of treatment outcomes [21] and neurobiological factors which are associated with different symptoms of MDD [22,23]. Based upon a combination of symptom clustering and neurobiological factors, a model of depression subtypes has been developed that included Depressed mood, Anhedonia, Somatic depression, Cognitive depression [24,25]. That model has been validated in samples of prostate and breast cancer patients, as well as within several community samples [26–28].

As well as seeking to more accurately define depression by identifying subtypes of symptoms, another major focus for research has been into the recognition of depression and its possible contributing factors, with the aim of increasing access to treatment for people who are depressed, or who may be at elevated risk of developing depression. Thus, a great deal of attention has been given to the role that stress plays in the development of depression [29–31], particularly social stress [32], which has been shown to have a physiological influence by changing the blood–brain barrier’s effectiveness in preventing access of inflammatory factors to brain regions associated with mood [33]. Although social stress may arise from a variety of sources such as partners, families, and friends, one major venue in which individuals interact socially for most of the day is their workplace [34]. Workplace stress may take the form of interactions with co-workers, as well as the intrinsic aspects of the job itself [35,36]. However, although work plays major financial, relationship, and personal satisfaction roles for humans, it has been suggested that a general model of stress is unhelpful in identifying the predictors of stress and job satisfaction in specific job contexts, and that consideration of particular aspects of the workplace or the job itself may help obtain more informed models of work–stress–depression associations [37]. One method of collecting information about the particular aspects of work that may influence an individual’s depressive status is by surveying the association between ‘job satisfaction’ and depression.

Job satisfaction is inversely related to higher workloads, staffing, resources, salary, and having time to balance life and work [38], largely based upon a mismatch between job expectations and actual working environments [39]. Job satisfaction is also correlated with overall stress levels, absenteeism and employee burnout [40–42]. Measurement of job satisfaction has been undertaken for over a century [43], and has included such aspects of work as salary [44], ability to influence the way the job is designed [45], and how well the individual ‘fits’ the organisation in which they are employed [46]. One survey process that has been applied nationally in Australia has focussed upon satisfaction with salary, job security, nature of the work done, hours worked, and the ability of the individual to balance their work–life commitments [47], and has established validity via Kappa statistics indicating moderate to good agreement (.50 to .71) between individual- and JEM-assigned exposures for job demands, control, job insecurity and fairness of pay; internal consistency (Cronbach’s alpha) was between .70 and .82 [48]. However, previous work within that study has not reported on the association between overall job satisfaction and subtypes of depression. Similarly, no previous reports were identified that examined the links between various aspects of job satisfaction and subtypes of depression. This kind of more detailed information is necessary to build a model of the association between job satisfaction and depression that ‘drills down’ to the specific aspects of work that are related to specific subtypes of depression. Information from such an investigation could provide more focussed intervention and individualised treatment that follows the recommendations for ‘personalised medicine’ approaches in treating depression [10].

Therefore, the current study was designed to investigate the association between job satisfaction and depression at global levels (i.e., total job satisfaction, total depression) and also at the item level for job satisfaction and for the four subtypes of depression discussed above [24]. As part of a series of investigations into the mental health of a selected region in rural Australia, participants were recruited from that region rather than one of the capital cities.

Methods

Participants

To ensure that the sample size was sufficient to detect a meaningful association, a priori power analysis (G-Power 3) was conducted for Pearson correlational analysis, and indicated that a sample of 88 would be satisfactory to detect a medium sized effect of 3 [49], with alpha probability of .05 and power of .90. Therefore, recruitment continued until this number of usable datasets had been received. Participants were recruited from the New England region of New South Wales, Australia, via an invitational letter to a random selection of 2,000 residents who were registered on the Australian Electoral Roll, balanced for sex.

Instruments

Background variables measured included gender, age, average hours worked per week on employed work, type of job (using the Australian and New Zealand Standard Classification of Occupations, 2013, Version 1.2) [50], and average hours per week on volunteer work excluding caring for others.

Job satisfaction (JS) was measured using the six–item HILDA survey scale that asks respondents about their satisfaction with: total pay, job security, the work itself, hours worked, and the flexibility available to balance work and non–work commitments, plus a global item for overall job satisfaction. This scale has demonstrated validity and was derived from similar scales in the UK and Germany, and has been widely used and reported as an index of job satisfaction in Australia [51]. Internal consistency (Cronbach alpha) data from the current study are reported below under Results. In this study, respondents answered the six questions about job satisfaction on a five–point scale, where 1 = “Very Low Job Satisfaction”, 2 = “Low”, 3 = “Moderate”, 4 = “High”, and 5 = “Very High Job Satisfaction”. Raw scores ranged from 6 to 30.
Depression was assessed from the Zung Self-rating Depression Scale (SDS) [52], which consists of 20 items drawn from the DSM-series diagnostic criteria for MDD. Respondents indicate the frequency of each of those 20 items by answering: “None or a little of the time”, “Some of the time”, “Good part of the time”, or “Most or all of the time”, which produce numerical scores of 1 to 4, providing total raw scores from 20 to 80. SDS raw scores of 40 or above indicate the presence of “clinically significant depression” [53]. The SDS has demonstrated split-half reliability of .81, .79 [52,54] and .94 [55]. Internal consistency (Cronbach alpha) has been reported as .88 for depressed patients and .93 for non-depressed patients [56] and as .84, for a previous Australian sample. The SDS has been shown to be superior to the MMPI Depression Scale and as .88 for depressed patients and .93 for non-depressed patients [56] and as .84, for a previous Australian sample. The SDS has been shown to be superior to the MMPI Depression Scale and MANOVA (using Pillai’s Trace and the Type II Sum of Squares model due to the disparate cell size for sex) [61], confirmed that there was no significant main effect for sex, F(7,83) = .421, p = .887, partial eta squared = .036, nor any significant univariate effects, thus allowing male and female data to be combined for further analyses. The large standard deviation scores for average hours worked on unpaid work reflected the wide range in participants’ responses to this question (males: from 0 to 42hr; females: from 0 to 50hr). Types of job reported [50], included (in rounded figures): Managers = 13.6%, Professionals = 44.3%, Technicians & Trades = 9.0%, Community & Personal Service = 6.9%, Clerical & Administration = 22.8%, Sales = 23.3%, Machinery & Drivers = 1.1%, thus providing a sample that included all these occupational categories.

**Procedure**

From a list of 20,000 random names and addresses (balanced for equal numbers of males and females) supplied by the Australian Electoral Commission, sufficient participants were recruited to exceed the sample size required for Pearson correlational analysis, as described above (i.e., n = 88). A total of 179 persons were contacted to achieve this recruitment target. Although equal numbers of males and females were contacted, the final sample was nearly three-quarters female (Table 1). These participants received a link to an online portal or a copy of the questionnaire booklet containing an explanatory statement and consent form, plus the background questionnaire and the JS and SDS. The project was approved by the University of New England Human Research Ethics Committee. All participants gave written consent to the study.

**Statistical analyses**

Data were analysed via SPSS v23, and tested for normality. Pearson correlation coefficients were calculated to test for any significant age effects on JS or SDS total scores, and gender was also tested for its effect on these variables via MANOVA. Pearson correlations and Hierarchical regression were used to identify which SDS items made the greatest contribution to specific aspects of JS. Although p < .05 was set as the standard for significance, Bonferroni corrections were made to p values to counter the effects of family-wise error where appropriate.

**Results**

**Data**

The 5% means were very close to the actual means, suggesting that effects from outliers were minimal. Inspection of the histograms, normal Q-Q plots, and the detrended Q-Q plots, indicated that the SDS and JS scores were within normal parameters. The Kolmogorov-Smirnov statistic confirmed this for the SDS, although the JS was skewed to the more positive end of the distribution. However, this slightly minor degree of non-normality is not a necessary source of confound for MANOVA [57], correlational analyses [58], or regression [59]. The internal consistency (Cronbach alpha) of the SDS was .878, acceptable for further analysis. The six JS items had a Cronbach alpha of only .648, which is not unusual for a quite small scale such as this one [60].

Table 1 presents the demographic data on the total sample of 88 participants, comprised of 25 males (28.4%) and 63 females (71.6%). All data are very similar across males and females, and MANOVA (using Pillai’s Trace and the Type II Sum of Squares model due to the disparate cell size for sex) [61], confirmed that there was no significant main effect for sex, F(7,83) = .421, p = .887, partial eta squared = .036, nor any significant univariate effects, thus allowing male and female data to be combined for further analyses. The large standard deviation scores for average hours worked on unpaid work reflected the wide range in participants’ responses to this question (males: from 0 to 42hr; females: from 0 to 50hr). Types of job reported [50], included (in rounded figures): Managers = 13.6%, Professionals = 44.3%, Technicians & Trades = 9.0%, Community & Personal Service = 6.9%, Clerical & Administration = 22.8%, Sales = 23.3%, Machinery & Drivers = 1.1%, thus providing a sample that included all these occupational categories.

**Job satisfaction and depression**

**Global depression score level**

Table 2 presents the Pearson correlation coefficients between the total SDS score and the overall JS score and its individual items. Although there was no significant correlation between SDS total and JS overall satisfaction, there was a significant correlation between SDS total score and the two JS items Hours worked and Flexibility to balance work and non-work commitments at the adjusted p value of .05/6 = .008. When the two JS items that were significantly correlated with SDS total score were entered into a hierarchical regression in order of their correlation coefficient size, the entire regression equation was significant, R square = .238, F(2,82) = 12.465, p < .001, but only Hours worked R square change = .234, F(1,81) for change = 24.750, p < .001, made a significant contribution to the variance in SDS total score, with Flexibility to balance work and non-work commitments only making a very small and nonsignificant additional contribution to the SDS total score variance, R square change = .004, F(1,80) for change = 0.372, p = .544. Not surprisingly, both of these aspects of JS were also significantly

<table>
<thead>
<tr>
<th>Variable</th>
<th>Age (years)</th>
<th>Average hours worked (paid)</th>
<th>Average hours worked (unpaid)</th>
<th>SDS’ total score</th>
<th>Job Satisfaction rating 1 to 5*</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Salary</td>
</tr>
<tr>
<td>Males</td>
<td>45.9 (15.1)</td>
<td>34.4 (14.5)</td>
<td>8.2 (10.6)</td>
<td>39.4 (7.9)</td>
<td>3.4 (1.0)</td>
</tr>
<tr>
<td>Females</td>
<td>41.8 (13.1)</td>
<td>30.1 (13.2)</td>
<td>9.8 (13.8)</td>
<td>37.4 (6.3)</td>
<td>3.5 (0.8)</td>
</tr>
</tbody>
</table>

*SDS = Self-rating Depression Scale; 1 = Very Low, 5 = Very High.

correlated with each other ($r = .509, p < .001$), reflecting the role that work–related time demands has upon participants' ability to include other non–work activities in their lives. There were no significant correlations between hours on unpaid work and SDS total score or the JS overall score.

### Depression subtype level

Table 2 also presents the Pearson correlation coefficients for the four SDS subtypes and the six JS items. For the SDS subtype scores, only Hours worked was significantly correlated at the adjusted $p$ value of $0.05/24 = 0.0021$ with both of the depression subtypes Depressed mood, and Somatic depression, although there was a nonsignificant trend for **Flexibility to balance work and non–work commitments** with Somatic depression ($r = .303, p = .005$). Even if the latter trend was considered (vs the adjusted $p$ value of $0.0021$), apart from the five relatively isolated correlations described above and shown in Table 2, the remaining JS items were only very weakly associated with either SDS total score or the four SDS subtypes, accounting for less than 6% of the variance. There were no significant correlations between hours unpaid work and any of the SDS subtype scores, but there was a sole significant correlation between the JS item for Salary and average number of hours unpaid work ($r = -.349, p = .005$), which may suggest that their unpaid work prevented some participants from earning sufficient income from their paid work.

As a further test of the effects of **Hours worked** upon depression, the sample was subgrouped into those whose satisfaction with their hours worked was less than or equal to a response of "Moderate" ($n = 42$) versus those who were satisfied with the hours they worked was "high" or "very high" ($n = 46$). ANOVA on SDS total score was significant $F(1,87) = 11.156, p = .001$, partial eta squared $= .121$. When the same subgrouping was applied to a MANOVA on the four subtypes of depression, there was a significant main effect $F(4,83) = 2.820, p = .031$, partial eta squared $= .126$, but the univariate analyses revealed significant effects for Somatic depression ($F = 9.448, p = .003$, partial eta squared $= .104$) and Depressed mood ($F = 4.134, p = .045$, partial eta squared $= .049$), but not for Anhedonia ($F = 0.676, p = .413$) or Cognitive depression ($F = 0.000, p = .992$). These results confirm the isolation of JS hours worked effects to just these two subtypes of depression.

### SDS items and JS items

Although the four SDS subtypes already represent specific groups of MDD symptoms, there is some heterogeneity remaining in the actual SDS items that comprise each of those subtypes. Therefore, to identify the precise aspects of depression that were active in the significant association between **Hours worked** and Depressed mood and Somatic depression, Pearson correlation coefficients were calculated for the SDS items that comprise those two depression subtypes, and appear in Table 3. Coefficients that met the adjusted $p$ value of $0.008$ are starred. Because there were two SDS items that met this criterion within each subtype, hierarchical regression was performed on each set of two items. (This kind of ‘reverse’ regression equation allows for comparisons between the strength of the associations between two sets of variables independently of their implied ‘causality’, and is superior to running two independent regression analyses [62]). For Depressed mood, the entire equation was significant ($R^2 = .207, F(1,82) = 10.426, p < .001$) but SDS item 20 (**Others would be better off if I were dead**) did not make a significant contribution to the variance in JS Hours worked ($R^2$ for change $= .179, F$ for change $= 17.668, p < .001$) but SDS item 20 (**Others would be better off if I were dead**) did not make a significant contribution to the variance in JS **Hours worked** ($R^2$ for change $= .028, F$ for change $= 2.794, p = .099$). For Somatic depression, the entire equation was also significant ($R^2 = .412 F(1,82) = 8.160, p = .001$). SDS item 4 (**I have trouble sleeping at night**) made a significant contribution to the variance in JS **Hours worked** ($R$ square for change $= .317$,

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### Table 2: Pearson correlation coefficients (and $p$ values) between Self-rating Depression Scale (SDS) total score and subtypes and Job Stress (JS) items.

<table>
<thead>
<tr>
<th>SDS subtype/JS items</th>
<th>Salary</th>
<th>Job security</th>
<th>Actual work</th>
<th>Hours worked</th>
<th>Flexibility to balance</th>
<th>Overall satisfaction</th>
</tr>
</thead>
<tbody>
<tr>
<td>SDS total score</td>
<td>-.236</td>
<td>-.024</td>
<td>.009</td>
<td>-.484*</td>
<td>-.311*</td>
<td>-.180</td>
</tr>
<tr>
<td></td>
<td>(0.032)</td>
<td>(.830)</td>
<td>(938)</td>
<td>(0.0004)</td>
<td>(0.004)</td>
<td>(103)</td>
</tr>
<tr>
<td>Depressed mood</td>
<td>-.013</td>
<td>-.007</td>
<td>-.003</td>
<td>-.329*</td>
<td>-.058</td>
<td>-.082</td>
</tr>
<tr>
<td></td>
<td>(0.904)</td>
<td>(.952)</td>
<td>(979)</td>
<td>(0.002)</td>
<td>(504)</td>
<td>(462)</td>
</tr>
<tr>
<td>Anhedonia</td>
<td>-.173</td>
<td>-.076</td>
<td>.123</td>
<td>.160</td>
<td>-.231</td>
<td>-.057</td>
</tr>
<tr>
<td></td>
<td>(.118)</td>
<td>(.495)</td>
<td>(269)</td>
<td>(149)</td>
<td>(306)</td>
<td>(607)</td>
</tr>
<tr>
<td>Somatic depression</td>
<td>-.224</td>
<td>-.040</td>
<td>.103</td>
<td>-.405*</td>
<td>-.303</td>
<td>-.203</td>
</tr>
<tr>
<td></td>
<td>(0.042)</td>
<td>(.721)</td>
<td>(352)</td>
<td>(.0001)</td>
<td>(005)</td>
<td>(066)</td>
</tr>
<tr>
<td>Cognitive depression</td>
<td>-.025</td>
<td>.159</td>
<td>-.019</td>
<td>-.021</td>
<td>.074</td>
<td>.098</td>
</tr>
<tr>
<td></td>
<td>(0.823)</td>
<td>(.151)</td>
<td>(862)</td>
<td>(851)</td>
<td>(504)</td>
<td>(380)</td>
</tr>
</tbody>
</table>

*Adjusted $p$ value $= 0.05/6 = .008$; **Adjusted $p$ value $= 0.05/24 = .0021$.

### Table 3: Correlation coefficients between Items for Hours worked, and Depressed mood and Somatic depression.

<table>
<thead>
<tr>
<th>Depressed mood</th>
<th>Downhearted and blue</th>
<th>Crying spells</th>
<th>Feel hopeful (reverse)</th>
<th>Irritable</th>
<th>Useful &amp; needed</th>
<th>Others better off if I were dead</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hours worked</td>
<td>- .423*</td>
<td>-.240</td>
<td>-.140</td>
<td>-.263</td>
<td>-.253</td>
<td>-.391*</td>
</tr>
<tr>
<td>Somatic depression</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Trouble sleeping</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Losing weight</td>
<td></td>
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<td></td>
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<td></td>
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<tr>
<td>Constipation</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Heart beats fast</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tired for no reason</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Restless</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hours worked</td>
<td>- .371*</td>
<td>-.200</td>
<td>-.039</td>
<td>-.328</td>
<td>-.206</td>
<td>-.308*</td>
</tr>
</tbody>
</table>

*Adjusted $p$ value $= 0.05/6 = .008$. 

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**Citation:** Sharpley CF, Bitsika V, Sarmukadam K, Agnew LL (2019) Which kinds of work stress are related with which types of depression? Workplace satisfaction and subtypes of depression in rural Australians. Arch Depress Anxiety 5(2): 034-041. DOI: http://doi.org/10.17352/2455-5460.000039
F for change = 12.889, p = .001) but SDS item 13 (I am restless and can’t keep still) did not make a significant contribution to the variance in Hours worked (R square for change = .032, F for change = 3.089, p = .083). Figure 1 portrays the significant associations between Hours worked and the two specific MDD symptoms, and between Flexibility to balance work and non-work commitments and Feeling downhearted and blue but not for Trouble sleeping at night. Figure 1 also shows how Hours worked significantly predicted Flexibility to balance work and non-work commitments.

**Discussion**

These results help to clarify which aspects of Job Satisfaction are significantly associated with depression at global, subtype, and individual symptom levels. At a global depression level, dissatisfaction with the number of hours worked per week was a significant predictor of total depression scores on the SDS, but other aspects of JS were not significantly associated with total depression score, nor was total JS score significantly correlated with total SDS score. These findings suggest that, from the factors measured by the JS, it was only one specific aspect of a person’s satisfaction with their job that potentially contributed to their overall depressive state in this sample. It is of interest that satisfaction with the number of hours they worked also contributed to participants’ inability to balance their work vs non-work life demands, but that the latter was not a singular significant contributor to SDS total or subtype scores. As suggested in Figure 1, the key factor may be satisfaction with hours worked, which contributes to depression and also to participants’ dissatisfaction with their ability to balance their work and non-work commitments. As such, satisfaction with the sheer amount of time participants spent at their paid employment appears to be the key factor in this sample, with the consequent reduction in time for other activities also contributing to their feelings of sadness.

However, when examined at the depression subtype level, only depressed mood and Somatic depression were significantly influenced by dissatisfaction with hours worked, although there was also a trend for dissatisfaction with ability to balance work and non–work demands to also influence these two subtypes of depression. Further clarity of these relationships was provided by the analysis of SDS items and JS items. It is of note that Feeling downhearted and blue is one of the two key required DSM–5 symptoms for a diagnosis of MDD (i.e., feeling sad or crying; loss of interest and pleasure in most activities) [8], and this holds some importance in terms of the overall depressive state of individuals. Dissatisfaction with hours worked was also significantly associated with participants’ difficulties sleeping (a Somatic depression symptom) but not with the psychomotor symptom of restlessness and agitation. These results are quite specific, and suggest a concise model of the association between JS and depression in the current sample, one that appears to be described by just a single aspect of JS and two MDD symptoms, as shown in Figure 1. The significant association between Hours worked and Flexibility to balance work and non-work commitments (Figure 1) also suggests that these two aspects of JS are related (as they would be expected to be on a logical basis), and may interact to predict depression.

Thus, the major finding from this study is that participants’ dissatisfaction with the amount of time they spent on paid work appeared to influence their depressive status overall, and their Depressed mood and Somatic depression, and that this effect was most strongly apparent in their feelings of being downhearted and blue. This isolation of a specific aspect of JS to just one of the two key diagnostic criteria for MDD holds implications for treatment because Depressed mood is largely a function of reduced serotonin release and uptake [63]. These reductions in available serotonin in the brain influence core behavioural functions [64], and may predispose the individual to an expectancy of aversive experiences, but no change in expectancy of pleasant experiences, in the future [65,66]. That change to focus more upon a negative future than a positive future may explain the behavioural withdrawal from the stressful environment which is characteristic of depression and which may contribute to the likelihood of death or suicide that is present in a proportion of depressed cases [67]. Treatment options for Depressed mood include those that re-establish serotonergic function if required, such as antidepressants [68], although that may be insufficient in itself [69], and may need to be augmented by environmental enrichment via psychotherapy [70].

In terms of the consequences of the current findings upon employees and workplaces, the significant interaction between dissatisfaction with hours worked and the lack of flexibility to engage in non-paid work responsibilities is a logical outcome in that the number of hours available for these two sets of tasks is limited, but the unfortunate depressive effect that dissatisfaction with longer working hours may have upon employees’ inability to ‘balance’ their lives in terms of completing their non-paid work tasks may also have a downstream effect upon their ability to work effectively, or even to attend at work. In their major systematic review of the effects of depression upon workplace productivity [71], found that depressed persons who are employed also show significantly higher rates of ‘presenteeism’ (being at work but not productive between 35% and 60% of the time) and
form that depression takes. These results can therefore be of use when formulating possible employee assistance schemes, as well as the clinical treatment of depression that may arise from job stress. As such, they contribute to the ongoing trend towards individualised medicine approaches for diagnosis and treatment of depression.

References


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