New directions in anxiety disorder treatment

Jerry Rosenbaum

As this special volume indicates, we have multiple modalities and approaches for thinking about anxiety and its therapeutic. Our treatment approaches and understandings vary from the psychological and cognitive to the biological and pharmacological. We also assert that the underlying neurobiology, mechanisms and evolutionary psychology of anxiety are the best understood of any form of psychiatric disorder. Yet while most patients who suffer anxiety disorders can be helped, few are cured. Furthermore, while anxiety research is robust, as evidenced in this issue, the therapies and therapeutic outcomes of today look very much the same as 30 years ago. The most dramatically and acutely effective of pharmacological anxiolytic treatments are limited by challenges of tachyphylaxis, diversion and abuse, and withdrawal syndromes when discontinued. Therefore, in short, there remains work to be done and new approaches to be determined to better address this form of human suffering.

In this effort, it may be that our belief that we fully understand anxiety and its neurocircuitry is a distraction, the idea that it is simply the over-reactivity and hyperresponsiveness of fear circuitry, otherwise designed to keep us safe, that explains what we experience and what goes awry. Genetic risk profiling of other psychiatric disorders underscores the heterogeneity of risk for emotional and cognitive dysregulation. This observation implies that personalised psychiatry and the future of psychiatric disorders is to autoimmune disease, miraculous for some in the short term but weighed against the burdens of adverse effects and discontinuation down the road. Monoclonal antibody drugs have begun to replace prednisone, and we can imagine a time when we can downregulate anxiety without the physiological costs of addiction or tachyphylaxis. There is current interest for example in the endocannabinoid system and targets like fatty acid amide hydrolase and monoacylglycerol lipase for new anxiolytics.

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That humans are differentially vulnerable to acquiring anxiety disorders, similar to autoimmune disease, is underscored by the review of Clauss in this volume and hearkens back to work beginning in the early 1980s by researchers at Massachusetts General Hospital, including Biederman, Hirshfeld-Becker and myself. We determined that children of parents with panic disorder and agoraphobia were more likely to be behaviourally inhibited and through adolescence were more likely to manifest anxiety symptoms and social anxiety. Hirshfeld-Becker and colleagues created a family and child focussed cognitive behaviour therapy protocol that markedly reduced current and future symptoms, and this work convinced us to create a clinical programme to intervene early in children with or at risk for anxiety symptoms. Case reports from this approach are in this issue and underscore that meaningful treatment can be initiated early, a wonderful and remarkable advance.

There is still opportunity for the wise clinician to lead the field to new discovery. This year psychiatry lost an iconic investigator whose early observations in the clinic led us to rethink anxiety as a single phenomenon through what was termed pharmacological dissection. So we also at this time remember recently deceased Donald Klein, a provocative and innovator thinker, who gave us theories about panic provocation and novel physiological mechanisms as well as new therapeutic approaches that renewed interest in understanding therapeutics, biology, early development and family history all reflected in one way or another in the up to date contribution that is this issue.

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**REFERENCES**


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