

编号: YY002-20221107001

标题: Integrated care systems face challenges fulfilling hopes of better services, says watchdog

简介: New integrated care systems (ICSs) in England will struggle to deliver long term improvements in people's health amid "extreme" funding and staffing pressures in the NHS and social care, the public spending watchdog has warned. The National Audit Office said in a report¹ that for the local care systems to succeed, ministers must tackle workforce shortages, ensure sustainable NHS finances, and coordinate measures across government to tackle wider determinants of ill health.

全文链接: <https://www.bmj.com/content/379/bmj.o2481>

编号: YY002-20221107002

标题: Innovation, Integration, and Artificial Intelligence

简介: Agata Ossowska, Aida Kusiak and Dariusz Swietlik recently released a sti in Dentistry— Narrative Review. The review details that machine learning, n ing are subsets of artificial intelligence. Neural networks are created to outlint human mind, in a mathematical model. The dental diagnosis process can be i the assistance of neural networks.

全文链接: https://pan.ckcest.cn/rcservice//doc?doc_id=106881

编号: YY002-20221107003

标题: Integration with medicine needed

简介: Sir, in 2015, the Brazilian Federal Council of Dentistry frst recognised the practice of hospital dentistry as an ofcial qualification.¹ One of the main intentions of this qualification was the provision of regular hospital dental care on an outpatient basis, to systemically compromised patients, including (for example) patients with cancer or haematological disorders. In addition, work in intensive care units (ICUs) is indicated within the qualification's remit, given the widely accepted evidence of a reduction in cases of hospital-acquired pneumonia in patients supported by dental teams in this environment. During the pandemic, the work of dental teams in ICUs has proven essential for the proper holistic management of severe COVID-19 cases, most pertinently those requiring mechanical ventilation.^{2,3}

全文链接: https://pan.ckcest.cn/rcservice//doc?doc_id=106879

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标题: Further Experience with the Practice Integration Profile: A Measure of Behavioral Health and Primary Care Integration

简介: Valid measures of behavioral health integration have the potential to enable comparisons of various models of integration, contribute to the overall development of high-quality care, and evaluate outcomes that are strategically aligned with standard improvement efforts. The Practice Integration Profile has proven to discriminate among clinic types and integration efforts. We continued the validation of the measure's internal consistency, intra-rater consistency, and inter-rater consistency with a separate and larger sample from a broader array of practices. We found that the Practice Integration Profile demonstrated a high level of internal consistency, suggesting empirically sound measurement of independent attributes of integration, and high reliability over time. The Practice Integration Profile provides internally consistent and interpretable results and

can serve as both a quality improvement and health services research tool.

全文链接: https://pan.ckcest.cn/rcservice//doc?doc_id=106880

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标题: The Impact of Health Delivery Integration on Cancer Outcomes

简介: The American Cancer Society estimates that in 2020 there were 1.8 million new cancer cases and 600,000 cancer deaths, making cancer the second leading cause of death in the United States.¹ Cancer-attributed medical care costs are projected to increase by more than 30%, totaling nearly \$246 billion by 2030.² Health delivery integration, with its emphasis on financial and clinical coordination across the continuum of care, has been proposed as a mechanism to address increasing costs and deficits in quality.³ In contrast with the fragmentation pervading the US health system, health delivery integration potentially offers patient access to coordinated multidisciplinary teams of health care providers and centers of excellence, and unified electronic medical records and aligned incentives.^{4–6}

全文链接: https://pan.ckcest.cn/rcservice//doc?doc_id=106882

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标题: Integration of clinical perspective into biomimetic bioreactor design for orthopedics

简介: The challenges to accommodate multiple tissue formation metrics in conventional bioreactors have resulted in an increased interest to explore novel bioreactor designs. Bioreactors allow researchers to isolate variables in controlled environments to quantify cell response. While current bioreactor designs can effectively provide either mechanical, electrical, or chemical stimuli to the controlled environment, these systems lack the ability to combine all these stimuli simultaneously to better recapitulate the physiological environment. Introducing a dynamic and systematic combination of biomimetic stimuli bioreactor systems could tremendously enhance its clinical relevance in research. Thus, cues from different tissue responses should be studied collectively and included in the design of a biomimetic bioreactor platform. This review begins by providing a summary on the progression of bioreactors from simple to complex designs, focusing on the major advances in bioreactor technology and the approaches employed to better simulate in vivo conditions. The current state of bioreactors in terms of their clinical relevance is also analyzed. Finally, this review provides a comprehensive overview of individual biophysical stimuli and their role in establishing a biomimetic microenvironment for tissue engineering. To date, the most advanced bioreactor designs only incorporate one or two stimuli. Thus, the cell response measured is likely unrelated to the actual clinical performance. Integrating clinically relevant stimuli in bioreactor designs to study cell response can further advance the understanding of physical phenomenon naturally occurring in the body. In the future, the clinically informed biomimetic bioreactor could yield more efficiently translatable results for improved patient care.

全文链接: https://pan.ckcest.cn/rcservice//doc?doc_id=106884