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overall the three main purposes of metabolism are 1 the conversion of food to energy to run cellular processes 2 the conversion of food fuel to building blocks for the production of primary metabolites such as proteins lipids nucleic acids and other secondary metabolites and 3 the elimination of waste products these enzyme

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packed cell islet and β cell volumes averaged 1 9 0 58 and 0 35 ml respectively ie number obtained by combining pcv and lm data averaged 327 000 corresponding to 370 million β cells ie by dtz staining averaged 428 000 about 31 higher than by pcv lm and the dtz estimate was higher in 24 of 27 preparations

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pmid 38225584 pmcid pmc10789073 doi 10 1186 s41232 024 00318 5 abstract in recent years extracellular vesicles evs have attracted significant attention as carriers in intercellular communication

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low intensity pulsed ultrasound lipus has been shown to accelerate fracture healing in both animal models and clinical trials but the mechanism of action remains unclear in fracture healing various consecutive cellular reactions occurred until repair we investigated whether the advanced effects of lipus depended on the duration and

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