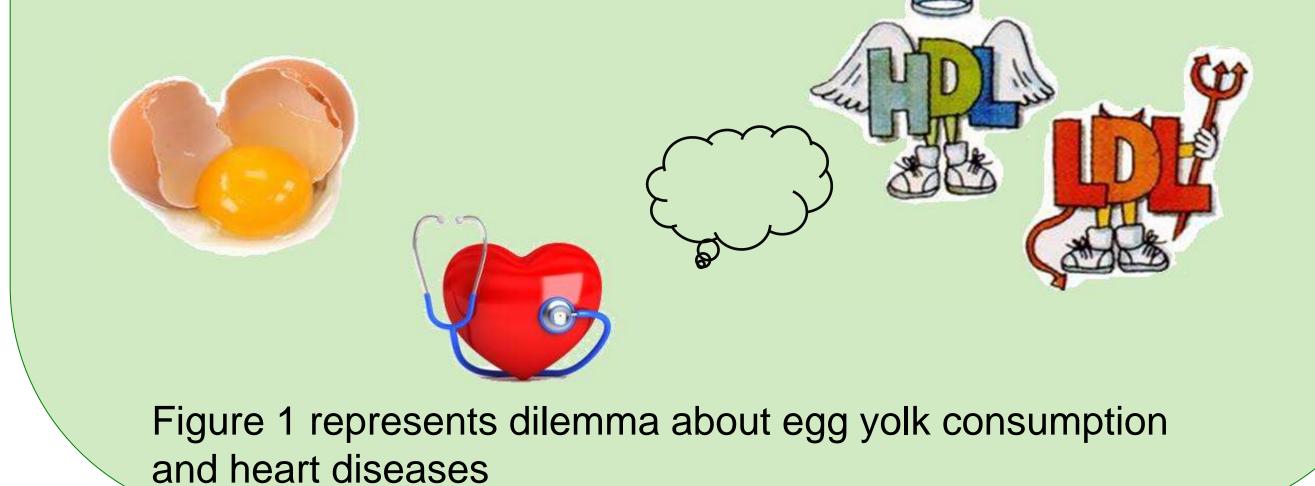
An Easy Method to Separate Low Density Lipoprotein From Egg Yolk

Background

ALBERTA

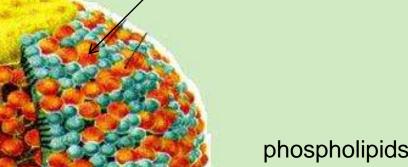
Some people avoid eating egg because of its high cholesterol content. Cholesterol and other egg yolk fats are mainly bound in low density lipoproteins (LDL) of egg yolk. LDLs are very small spherical particles and comprise about 70% of egg yolk dry matter. LDLs float in the egg yolk's viscose liquid structure. We can separate the LDL and use it for high technology purposes in the medical and pharmaceutical industries. After LDL isolation, the remaining part, which contains high density lipoproteins (HDL) and other good proteins, can be used directly in food products.



Our goal?

In this work we tried to separate LDL from fresh egg yolk for use in other industries using different gums and use the remaining proteins in food applications.

Cholesterol est



esterified cholestro

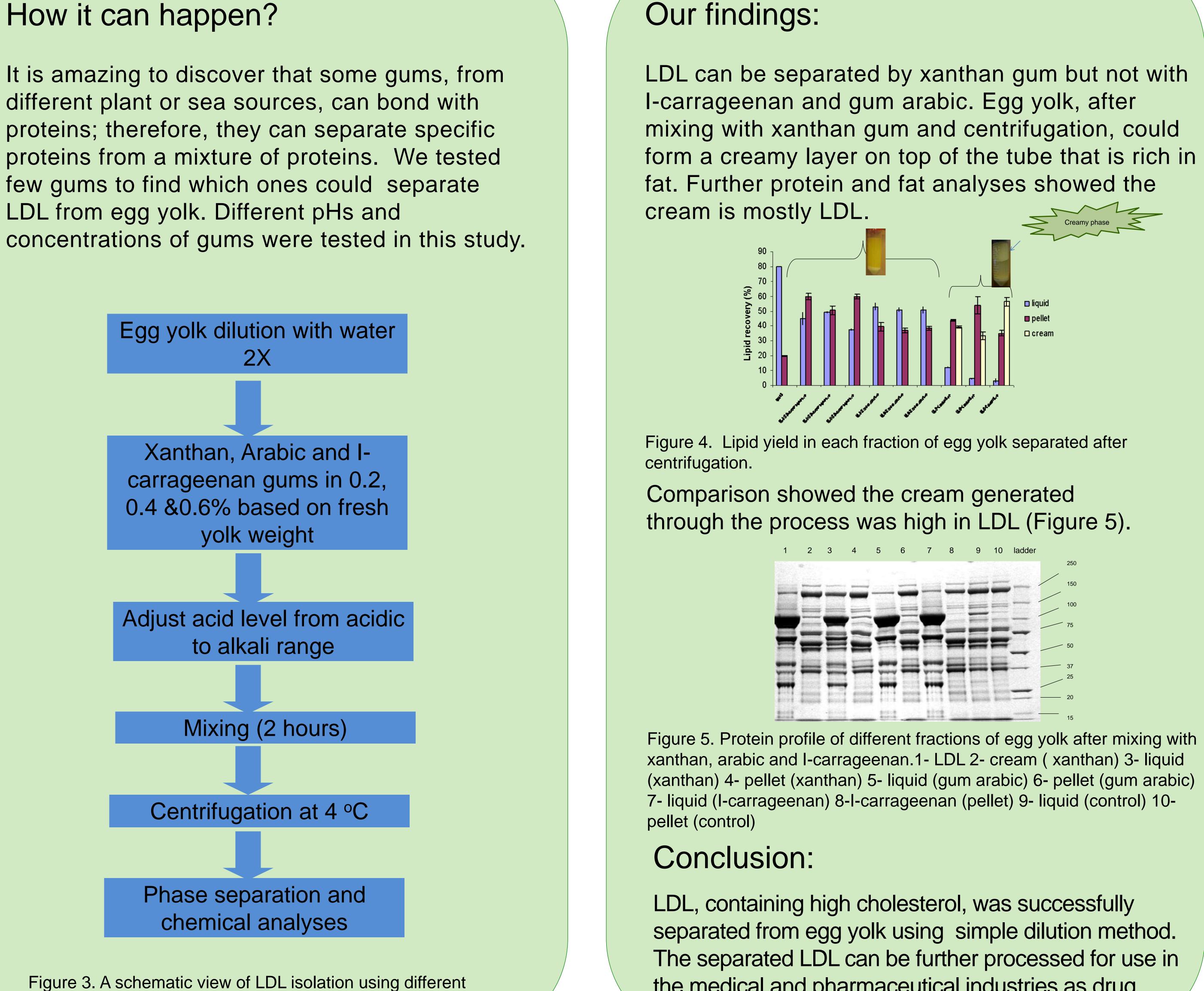
Figure 2 represents egg yolk LDL structure and the location of cholesterol and other fats

The Poultry Research Centre



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How it can happen?



gums.

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the medical and pharmaceutical industries as drug delivery system for cancer treatment.



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