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| Phenotypic and genotypic characterization of Candida albicans isolated from chicken |  |  |
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| **Abstract** | |  |
| Candidiasis is an occasional opportunistic yeast disease of importance in poultry and it has also been reported to be a disease or an intestinal infection. The present study was directed mainly to throw lights firstly on the isolation of C. albicans species of chicken and secondly to the identification of the mentioned isolates by phenotypic and genotypic methods. A total 100 of swab samples collected from a crop of chicken from different localities in Cairo and Giza governorate. The samples were investigated for yeast species contamination and mycological examination, which the isolation of four yeast genera. The most frequent yeast species isolated from such samples followed by Candida spp., Saccharomyces spp., Torulopsis spp. and Rhodotorula spp. The observe incidence of Candida species isolated from all examined samples it seems that Candida species were (n=36/60, 60%) from chicken crop swab.The incidence of Candida albicans isolated from examining samples it seems (n=8/36, 22.2%) from crop swab. Early identification of yeast to the genus and species level is necessary for effective antifungal therapy, and can also facilitate control of infections. Explained that Cross-contamination is a particular problem and several recommendations have been published to control pathogens. | |  |
| **Keywords** | |  |
| [C.albicans](https://journals.ekb.eg/?_action=article&kw=81268&_kw=C.albicans); [crop](https://journals.ekb.eg/?_action=article&kw=24060&_kw=crop); [Rap ID system](https://journals.ekb.eg/?_action=article&kw=176284&_kw=Rap+ID+system); [LH1](https://journals.ekb.eg/?_action=article&kw=176285&_kw=LH1); [LH2](https://journals.ekb.eg/?_action=article&kw=176286&_kw=LH2) | |  |
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