

The paranasal sinuses



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This unique model has been created from data in the dural skull (Print #8). The data has been obtained by CT imaging and segmentation of the internal spaces. Part of the skull has been retained but sections or windows have been removed to expose the paranasal sinuses. The paired frontal sinuses, with the right being partially subdivided, are coloured blue. The left one has been partly left surrounded by frontal bone. The right is completely exposed and shows the frontonasal ostium which drain as a funnel shaped tube into the infundibulum of the middle meatus of the nasal cavity. The ethmoid sinuses or air cells, coloured purple, are only shown on the left. The medial wall of the orbit composed of the orbital plate of the ethmoid bone is retained. The maxillary sinus (green) on the left has been partly exposed and partly left within the maxilla. It is clear to see why this sinus is an important inferior relation of the orbit. The opening of the maxillary sinus into the lateral wall of the nose is barely discernable as a small patch green in the middle meatus. The left sphenoid sinus (pink) lies within the sphenoid bone which has been partly digitally removed. However the impression for the carotid is identifiable.

