Sjögren’s syndrome (SS) is a chronic autoimmune inflammatory disorder of exocrine glands. Its diagnosis relies solely on a combination of clinical and laboratory findings. However, recent developments have shown that imaging techniques may have additional value in detecting salivary glands abnormalities in pSS. In general, sialography is considered to be the most reliable of the imaging methods. Salivary gland scintigraphy is very sensitive and especially useful in early stages of the disease. Nevertheless, both imaging techniques are used by only minority of rheumatologists for diagnosis of pSS because of the invasive character of sialography and the low specificity of scintigraphy. MRI has shown a good sensitivity and specificity to detect structural abnormalities in pSS but few centres have access to the specific know-how. A recent development is the increased interest in ultrasonography (US) as a tool to assess major salivary glands. Ultrasoundography of the salivary glands (SGUS) appears to be an inexpensive commonly available technique that does not cause complications and inconvenience to the patient, although the data are somewhat conflicting. Although, the recent and demonstrated good diagnostic properties. A systematic literature review has shown a paucity of data and demonstrated good diagnostic properties.